



## **Electric Tankless and Mini Tank Hot Water Heaters**

Specification Guide  
Effective  
April 2015



No.1 US brand of electric  
tankless water heaters

# Contents

## Electric Tankless and Mini Tank Hot Water Heaters

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### Important Things to Note

- Complete submittal packages available for download on **eemax.com**
- All Eemax “Tankless” units are to be hard-wired to the electrical panel box with their own dedicated breaker.
- Size ALL Eemax Tankless Water Heaters for required performance, NOT to the existing electrical wiring available.
- Temperature settings of the unit are a “high limit not-to-exceed” specification. Refer to “Eemax Sizing Guide” on page 4.
- Booster applications (heater installed on a hot water feed line) MUST have temperature control as indicated by the letter “T” in the suffix of the product number.
- To obtain the shortest time to temp, install unit(s) as close to the point-of-use as possible.
- Pay attention to the minimum and maximum flow rates.
- CNL SKUs are Canada specific.
- “C” indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

For additional product specifying needs, contact Eemax Support at **(800) 543-6163** or email **info@eemaxinc.com**.

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\*Obsolete product listed for reference only.

# Tepid Water Requirement Fact Sheet

The American National Standards Institute ANSI Z358.1 requirement for tepid water is 60°F – 100°F for Emergency Eye/Face and Drench Showers. This requirement is a direct response to reduce employers' liability and increase employee safety. The problem with untempered water is that the minimum recommendation of 15 min to flush hazardous chemicals from contaminated parts of the body is often not met because incoming water temperature can be as low as 35° (2°C). This condition can cause hypothermia and at the very least discourage proper flushing of contaminants.

The Eemax collection of Emergency Eye/Face and Drench Shower on demand electric water heaters are specifically engineered to comply with ANSI Z358.1 requirements.

Preventative over temperature measures have been engineered into all ANSI compliant Eemax instantaneous water heaters. Sophisticated micro processing thermostats are factory set to a safe 60°F – 90°F. Unique staging of elements only allow power required for the flow needed (combo eye/face drench shower).

The powerful drench shower heater has the capacity to deliver 23 GPM at 80°F outlet temperature safely and reliably with no danger of running out of tepid water.

Legionella bacteria or mycobacteria growth is substantially reduced with instantaneous water heaters as there is no stored tepid water.

When the heater is not operational there is no consumption of energy, making it the most economical way to comply with ANSI Z358.1 code.

Eemax, the market leader in the manufacturing and engineering of electric instantaneous water heaters, can build a heater to fit your requirements.

Contact Eemax Engineering personnel for assistance in selection of the right heater.

**800-543-6163** or visit [www.eemax.com](http://www.eemax.com).

## ANSI Requirements for Emergency Eye Washes and Shower Equipment

### Emergency Shower Requirements

1. Shower heads should be not less than 82 in. nor more than 96 in. in height from the surfaces on which the user stands.
2. The spray pattern should have a minimum diameter of 20 in. at 60 in. above the surface on which the user stands. The center of the spray pattern should be located at least 16 in. from any obstruction.
3. Emergency shower heads should be capable of delivering a minimum of 20 GPM of flushing fluid at 30 PSI for a minimum 15 minute period.
4. The valve should be designed so that the flushing fluid flow remains on without requiring the use of the operator's hands, and it should remain on until intentionally shut off. The valve should go from "off" to "on" in 1 second or less.
5. The pull rod should be located not more than 69 in. above the level on which the user stands.
6. Emergency showers should be in accessible locations that require no more than 10 seconds to reach.
7. Delivered flushing fluid temperature should be tepid.
8. Plumbed emergency showers should be activated weekly to verify proper operation.

### Plumbed and Self-Contained Eyewash Unit Requirements

1. Eyewash heads should be not less than 33 in. nor more than 45 in. from the surface on which the user stands and 6 in. minimum from the wall or nearest obstruction.
2. The eyewash unit should provide flushing fluid to both eyes simultaneously, and both nozzles should be protected from airborne contaminants.
3. Plumbed and self-contained eyewash equipment should be capable of delivering flushing fluid to the eyes not less than 0.4 GPM at 30 PSI for 15 minutes.
4. The valve should be designed so that the flow remains on without requiring the use of the operator's hand, and it should remain on until intentionally shut off. The valve should go from "off" to "on" in 1 second or less.
5. Eyewash units should be in accessible locations that require no more than 10 seconds to reach.
6. Delivered flushing fluid temperature should be tepid.
7. Plumbed eyewashes should be activated weekly to verify proper operation.

### Personal Eyewash Equipment Requirements

1. Personal eyewash units should have the capacity to deliver immediate flushing to the eyes without being injurious to the user.
2. When addressing washing of the eyes, training should address holding the eyelids open and rolling the eyeballs so flushing fluid will flow on all surfaces of the eye and under the eyelid.
3. Delivered flushing fluid temperature should be tepid.
4. Personal eyewash units should be inspected annually to assure conformance with ANSI Z358.1-1998.

### Eye/Face Wash Equipment Requirements

1. Eye/face wash heads should be no less than 33 in. and no more than 45 in. from the level on which the user stands and 6 in. minimum from the wall or nearest obstruction.
2. The eye/face unit should provide flushing fluid to both eyes simultaneously, and both nozzles should be protected from airborne contaminants.
3. Plumbed eye/face wash equipment should be capable of delivering flushing fluid to the eyes not less than 3.0 GPM at 30 PSI for 15 minutes.
4. The valve should be designed so that the flow remains on without requiring the use of the operator's hands, and it should remain on until intentionally shut off. The valve should go from "off" to "on" in 1 second or less.
5. Eye/face wash units should be in accessible locations that require no more than 10 seconds to reach.
6. Delivered flushing fluid temperature should be tepid.
7. Plumbed eye/face washes should be activated weekly to verify proper operation.

### Hand-Held Drench Hose Requirements

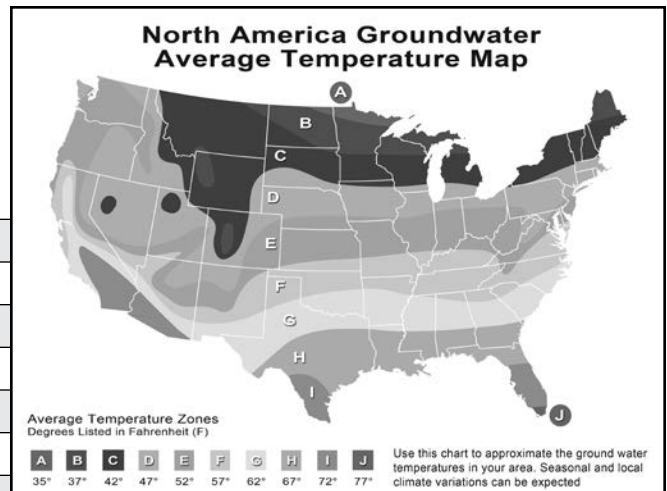
1. Drench hoses should be capable of delivering a minimum of 3 GPM of flushing fluid at 30 PSI for a minimum 15 minute period.
2. The valve should go from "off" to "on" in 1 second or less.
3. Delivered flushing fluid temperature should be tepid.
4. Plumbed drench hoses should be activated weekly to verify proper operation.

### Combination Unit Requirement

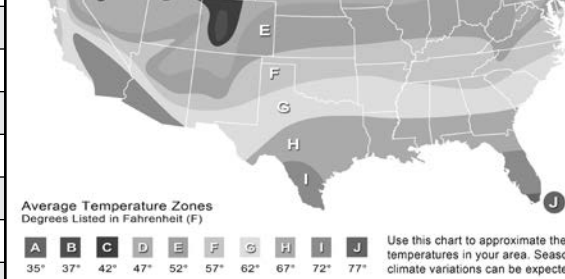
1. Shower heads should be not less than 82 in. nor more than 96 in. in height from the surface on which the user stands. Eye or eye/face wash heads should be not less than 33 in. nor more than 45 in. from the surface on which the user stands and 6 in. minimum from the wall or nearest obstruction.
2. The spray pattern of the shower head should have a minimum diameter of 20 in. at 60 in. above the surface on which the user stands. The center of the spray pattern should be located at least 16 in. from any obstruction.
3. Emergency shower heads should be capable of delivering a minimum of 20 GPM of flushing fluid at 30 PSI for a minimum 15 minute period. Eyewash equipment should be capable of delivering a minimum of 0.4 GPM at 30 PSI for a minimum 15 minute period, and eye/face wash equipment should be capable of delivering a minimum of 3 GPM at 30 PSI for a minimum 15 minute period.
4. The pull rod should be located not more than 69 in. above the level on which the user stands.
5. Eye and eye/face wash heads should provide flushing fluid to both eyes simultaneously, and both nozzles should be protected from airborne contaminants.
6. The valves should be designed so that the flow remains on without requiring the use of the operator's hands, and it should remain on until intentionally shut off. The valve should go from "off" to "on" in 1 second or less.
7. Combination units should be capable of operating simultaneously and should be positioned so that components may be used simultaneously by the same user.
8. Combination units should be in accessible locations that require no more than 10 seconds to reach.
9. Delivered flushing fluid temperature should be tepid.
10. Plumbed combination units should be activated weekly to verify proper operation.

## Simple Formula Ensures Proper Size of Electric Tankless Water Heaters

**A tankless water heater creates hot water on demand.** You need a proportional amount of energy or (kW) to heat the flow (GPM) needed/required for your applications. The chart below will help you determine the correct electric tankless water heater, based on flow rate (GPM) and temperature rise.



### Flow Chart Power Required – kW

Total Gallons Per Minute (GPM) Demand	23	67 kW	101 kW			 <p>Average Temperature Zones Degrees Listed in Fahrenheit (F)</p> <p>A B C D E F G H I J</p> <p>35° 37° 42° 47° 52° 57° 62° 67° 72° 77°</p> <p>Use this chart to approximate the ground water temperatures in your area. Seasonal and local climate variations can be expected</p>						
	22	64 kW	97 kW	129 kW								
	21	62 kW	92 kW	123 kW								
	20	59 kW	88 kW	117 kW								
	19	56 kW	84 kW	111 kW								
	18	53 kW	79 kW	105 kW	132 kW							
	17	50 kW	75 kW	100 kW	125 kW							
	16	47 kW	70 kW	94 kW	117 kW							
	15	44 kW	66 kW	88 kW	110 kW	132 kW						
	14	41 kW	62 kW	82 kW	103 kW	123 kW						
	13	38 kW	57 kW	76 kW	95 kW	114 kW						
	12	35 kW	53 kW	70 kW	88 kW	105 kW	123 kW					
	11	32 kW	48 kW	64 kW	81 kW	97 kW	113 kW	129 kW				
	10	29 kW	44 kW	59 kW	73 kW	88 kW	103 kW	117 kW	132 kW			
	9	26 kW	40 kW	53 kW	66 kW	79 kW	92 kW	105 kW	119 kW	132 kW		
	8	23kW	35 kW	50 kW	59 kW	70 kW	82 kW	94 kW	105 kW	117 kW	129 kW	
	7	20 kW	31 kW	41 kW	51 kW	62 kW	72 kW	82 kW	92 kW	103 kW	113 kW	
	6	18 kW	26 kW	35 kW	44 kW	53 kW	62 kW	70 kW	79 kW	88 kW	97 kW	
	5	15 kW	22 kW	29 kW	37 kW	44 kW	51 kW	59 kW	66 kW	73 kW	81 kW	
	4	12 kW	18 kW	23 kW	29 kW	35 kW	41 kW	47 kW	53 kW	59 kW	64 kW	
	3	9 kW	13 kW	18 kW	22 kW	26 kW	31 kW	35 kW	40 kW	44 kW	48 kW	
	2	6 kW	9 kW	12 kW	15 kW	18 kW	21 kW	23 kW	26 kW	29 kW	32 kW	
	1	3 kW	4 kW	6 kW	7 kW	9 kW	10 kW	12 kW	13 kW	15 kW	16 kW	
0.5	2 kW	2 kW	3 kW	4 kW	4 kW	5 kW	6 kW	7 kW	7 kW	8 kW		
	20°F	30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F		
Rise In Temperature °F												

NOTE: For simple calculation, kW reference is based on a 100% heater efficiency. Eemax tankless heaters are 99% efficient.

$\text{kW req.} = \text{GPM} \times \text{temp rise} / 6.83$   
 $\text{Temp rise} = \text{kW} \times 6.83 / \text{GPM}$   
 $\text{GPM} = \text{kW} \times 6.83 / \text{temp rise}$

**Residential, commercial, safety, and industrial slide rule sizing guides are available by request. Contact Eemax Support at (800) 543-6163 or email [info@eemaxinc.com](mailto:info@eemaxinc.com).**

# SafeAdvantage with PhD (Nema 4 Incl.)

For Safety Applications – Eye/Face Wash and Drench Showers

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Eye/face wash
- Emergency drench showers
- Where tepid water is needed

### Performance Features

- Thermo-Optical sensor
- Predictive control algorithm
- Adjustable turn on
- Field programmable & firmware updates
- On board diagnostics with digital LCD display

### Optional Features

- N4X (304SS) N4X6 (316SS) enclosures
- Freeze protection for harsh climate, up to -30°F
- Electrical disconnect
- GFCI
- Explosion Proof

### Suggested Specification

Tankless water heater shall be an Eemax SafeAdvantage model number AP\_\_\_\_\_.

Factory installation in a \_\_\_\_\_(N4/N4X/N4x6) enclosure.

Enclosure to be fitted with the following features:

- |                   |  |
|-------------------|--|
| _____ <b>FP</b>   | Freeze protection (-30F)                     |
| _____ <b>EDS</b>  | Non-fused disconnect                         |
| _____ <b>FDS</b>  | Fused disconnect                             |
| _____ <b>EP</b>   | Explosion proof (C1D2 Groups A, B, C & D)    |
| _____ <b>GFCI</b> | True RMS GFCI with digital display and reset |
| _____ <b>SK</b>   | 24" legs for free standing applications      |
| _____ <b>RD</b>   | Remote display                               |
| _____ <b>SB</b>   | Siren and Beacon                             |

Tankless water heater must have water connections on the bottom, and be constructed with NSF61 listed materials. Direct heating element to be non-ferrous, cartridge style, designed for field replacement. Tankless water heater to utilize a dual PID algorithm, actively managing power application to real-time system demand. Integrated flow meter capable of volumes in excess of 40 GPM drives predictive control algorithm. Water heater must be protected by redundant safeties. Redundant safeties to include thermo mechanical safety switches, infrared element monitoring via thermo optical sensors, and dual temperature monitoring via master control board. Tankless water heater user interface must have the following capabilities:

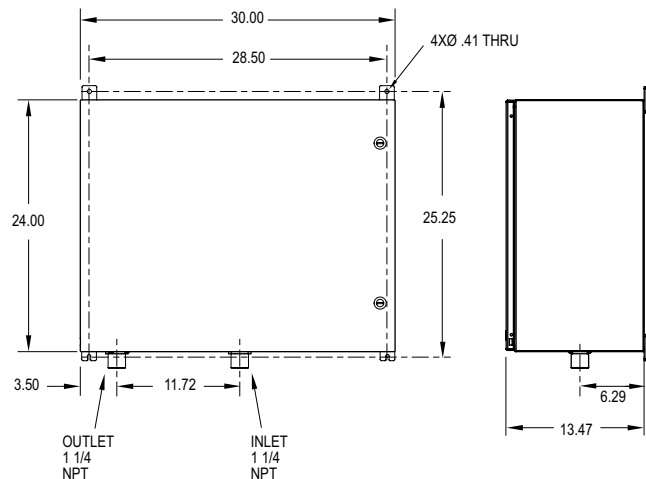
- Selectable display including Celsius/Fahrenheit, inlet temperature, outlet temperature, and set point temperature.
- Must be capable of displaying flow rate in gallons per minute or liters per minute.
- Diagnostic features to include error and fault code display.
- Control board must maintain error/fault history of 9 events.
- Capable of factory coded temperature setting (max and min)
- Capable of firmware upgrades via USB port
- Capable of BMS integration
- Available Data logger for monitoring of internal I/O values and 4 external inputs.
- Compliant with ANSI Z358.1 tepid water without additional mixing or purge features (inlet temperatures must not exceed 100°F).



U.S. Patent Pending



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

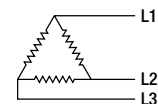
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

### Eemax 600v, 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



# SafeAdvantage with PhD (Nema 4 Incl.)

For Safety Applications – Eye/Face Wash and Drench Showers

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

**EE Emergency Eyewash.** Shipped with max. temp of 90°F. Shipped with display "Locked."

**EFD Emergency Eye, Face & Drench.** Shipped with max. temp of 90°F. Must get software update to change temp. Shipped with display "Locked."

### PHD Pressure Drop

Flow Rate (GPM)	Delta PSI
2	0
3	0
4	0
6	0
8	1
11	3
12	4
15	6
18	8
20	10
22	13
24	14
27	17
30	22
33	26
35	30
37	34
40	43

MODEL NUMBER	KW	BTU	AMPS PER PHASE	TURN ON (GPM)	RECOMMENDED WIRE SIZE (90° C/CU)	TEMPERATURE RISE °F									
						3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	20.0 GPM	23.0 GPM	26.0 GPM	30.0 GPM	40.0 GPM	
VOLTS 208 3ΦD															
AP032208 EE N4	32	109,189	89	1.0	1 AWG	73°	55°	36°	29°	11°	10°	8°	7°	5°	
AP032208 EE N4X	32	109,189	89	1.0	1 AWG	73°	55°	36°	29°	11°	10°	8°	7°	5°	
AP036208 EE N4	36	122,832	100	1.0	1 AWG	82°	61°	49°	41°	12°	11°	9°	8°	6°	
AP036208 EE N4X	36	122,832	100	1.0	1 AWG	82°	61°	49°	41°	12°	11°	9°	8°	6°	
AP041208 EFD N4	41	143,310	112	1.0	1 AWG	93°	70°	47°	37°	14°	12°	11°	9°	7°	
AP041208 EFD N4X	41	143,310	112	1.0	1 AWG	93°	70°	47°	37°	14°	12°	11°	9°	7°	
AP054208 EFD N4	54	184,256	150	1.5	2/0 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP054208 EFD N4X	54	184,256	150	1.5	2/0 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP064208 EFD N4	64	218,377	178	2.5	3/0 AWG	+	109°	73°	58°	22°	19°	17°	15°	11°	
AP064208 EFD N4X	64	218,377	178	2.5	3/0 AWG	+	109°	73°	58°	22°	19°	17°	15°	11°	
VOLTS 480 3ΦD															
AP036480 EE N4	36	122,837	43	1.0	8 AWG	82°	61°	41°	33°	12°	11°	9°	8°	6°	
AP036480 EE N4X	36	122,837	43	1.0	8 AWG	82°	61°	41°	33°	12°	11°	9°	8°	6°	
AP039480 EE N4	39	133,068	47	1.0	6 AWG	89°	67°	53°	44°	13°	12°	10°	9°	7°	
AP039480 EE N4X	39	133,068	47	1.0	6 AWG	89°	67°	53°	44°	13°	12°	10°	9°	7°	
AP048480 EFD N4	48	163,783	57.6	1.0	6 AWG	109°	82°	55°	44°	16°	14°	13°	11°	8°	
AP048480 EFD N4X	48	163,783	57.6	1.0	6 AWG	109°	82°	55°	44°	16°	14°	13°	11°	8°	
AP054480 EFD N4	54	184,256	65	1.5	4 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP054480 EFD N4X	54	184,256	65	1.5	4 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP063480 EFD N4	63	214,956	76	2.5	3 AWG	143°	108°	86°	72°	22°	19°	17°	14°	11°	
AP063480 EFD N4X	63	214,956	76	2.5	3 AWG	143°	108°	86°	72°	22°	19°	17°	14°	11°	
AP072480 EFD N4	72	245,674	87	2.5	3 AWG	+	123°	82°	66°	25°	21°	19°	16°	12°	
AP072480 EFD N4X	72	245,674	87	2.5	3 AWG	+	123°	82°	66°	25°	21°	19°	16°	12°	
AP096480 EFD N4	96	327,552	116	2.5	1/0 AWG	+	+	131°	109°	33°	29°	25°	22°	16°	
AP096480 EFD N4X	96	327,552	116	2.5	1/0 AWG	+	+	131°	109°	33°	29°	25°	22°	16°	
AP108480 EFD N4	108	368,511	130	2.5	1/0 AWG	+	+	123°	98°	37°	32°	28°	25°	18°	
AP108480 EFD N4X	108	368,511	130	2.5	1/0 AWG	+	+	123°	98°	37°	32°	28°	25°	18°	
AP126480 EFD N4	126	429,930	151	2.5	2/0 AWG	+	+	+	115°	43°	37°	33°	29°	22°	
AP126480 EFD N4X	126	429,930	151	2.5	2/0 AWG	+	+	+	115°	43°	37°	33°	29°	22°	
AP144480 EFD N4	144	491,348	173	2.5	3/0 AWG	+	+	+	+	49°	43°	38°	33°	25°	
AP144480 EFD N4X	144	491,348	173	2.5	3/0 AWG	+	+	+	+	49°	43°	38°	33°	25°	
VOLTS 600 3ΦD															
C	AP130600 EFD N4	130	443,578	125	2.5	1 AWG	+	+	+	118°	44°	29°	34°	26°	22°
C	AP130600 EFD N4X	130	443,578	125	2.5	1 AWG	+	+	+	118°	44°	29°	34°	26°	22°
C	AP150600 EFD N4	150	511,821	144	2.5	1/0 AWG	+	+	+	+	51°	45°	39°	24°	26°
C	AP150600 EFD N4X	150	511,821	144	2.5	1/0 AWG	+	+	+	+	51°	45°	39°	24°	26°

+Temperature electronically limited to factory preset not to exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

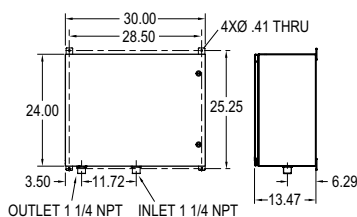
### NEMA Cabinet Options

**Dimensions:** 24"H x 30"W x 13'.5"D  
(Total weight est 150 lbs.)

**N4** Waterproof powder coated steel

**N4X** Waterproof corrosion resistant  
304 stainless steel

**N4X6** Waterproof corrosion resistant  
316 stainless steel



### Special Design Service

Inquiries for units for unique applications are welcome. Call our Technical Service department at **1-800-543-6163**.

### NEMA Cabinet Option Accessories:

**Dimensions:** 36"H x 30"W x 17.3"D  
(Total weight est. 225 lbs.)

**FP** Freeze protection (-30°F)

**EDS** Non-fused disconnect

**FDS** Fused disconnect

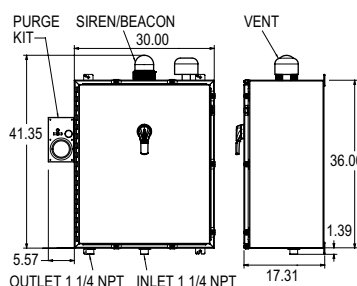
**EP** Explosion proof (C1D1/2  
Groups A,B,C,&D)

**GFCI** True RMS GFCI with digital display and reset

**SK** 24" legs for free standing applications

**RD** Remote display

**SB** Siren and Beacon





# SpecAdvantage with PhD

For Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

SpecAdvantage  
with PhD  
Technology

### Applications

- Eye/face wash
- Emergency drench showers
- Where tepid water is needed
- Booster applications for sanitation
- Commercial kitchen
- Process heating
- High volume domestic hot water

### Performance Features

- Thermo-Optical sensor
- Predictive control algorithm
- Adjustable turn on
- Field programmable & firmware updates
- On board diagnostics with digital LCD display
- Designed for commercial and industrial applications

### Optional Features

- N4, N4X (304SS) N4X6 (316SS) enclosures
- Freeze protection for harsh climate, up to -30°F
- Electrical disconnect
- GFCI
- Explosion Proof

### Suggested Specification

Tankless water heater shall be an Eemax SpecAdvantage model number AP\_\_\_\_\_.

Optional factory installation in a \_\_\_\_ (N4/N4X/N4X6) enclosure.

Enclosure to be fitted with the following features:

- |                   |  |
|-------------------|--|
| _____ <b>FP</b>   | Freeze protection (-30F)                     |
| _____ <b>EDS</b>  | Non-fused disconnect                         |
| _____ <b>FDS</b>  | Fused disconnect                             |
| _____ <b>EP</b>   | Explosion proof (C1D2 Groups A, B, C & D)    |
| _____ <b>GFCI</b> | True RMS GFCI with digital display and reset |
| _____ <b>SK</b>   | 24" legs for free standing applications      |
| _____ <b>RD</b>   | Remote display                               |
| _____ <b>SB</b>   | Siren and beacon                             |

Tankless water heater must have water connections on the bottom, and be constructed with NSF 61 listed materials. Direct heating element to be non-ferrous, cartridge style, designed for field replacement. Tankless water heater to utilize a dual PID algorithm, actively managing power application to real-time system demand. Integrated flow meter capable of volumes in excess of 40 GPM drives predictive control algorithm. Water heater must be protected by redundant safeties. Redundant safeties to include thermo mechanical safety switches, infrared element monitoring via thermo optical sensors, and dual temperature monitoring via master control board. Tankless water heater user interface must have the following capabilities:

- Selectable display including Celsius/Fahrenheit, inlet temperature, outlet temperature, flow rate, and set point temperature.
- Must be capable of displaying flow rate in gallons per minute or liters per minute.
- Diagnostic features to include error and fault code display.
- Control board must maintain error/fault history of 9 events.
- Capable of factory coded temperature setting (max and min)
- Capable of firmware upgrades via USB port
- Capable of BMS integration
- Available Data logger for monitoring of internal I/O values and 4 external inputs.
- Compliant with ANSI Z358.1 tepid water without additional mixing or purge features (inlet temperatures must not exceed 100°F when selecting an EE or EFD option)

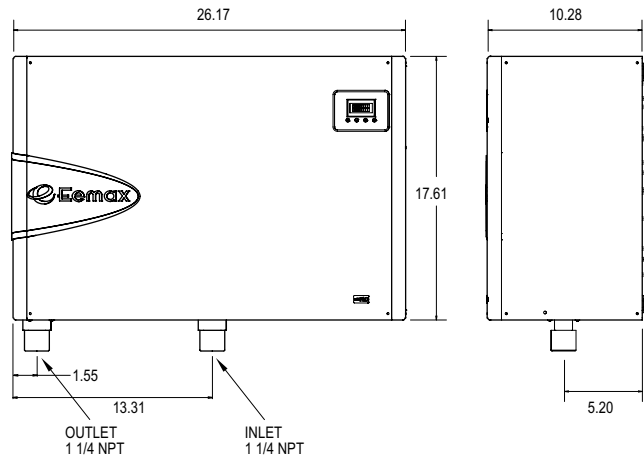


U.S. Patent Pending



**NO LEAD**

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

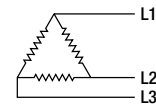
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

### Eemax 600v, 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



# SpecAdvantage with PhD

For Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

- S Sanitation.** Shipped at 180°F with temp range of 100°F-190°F max.
- EE Emergency Eyewash.** Shipped with max. temp of 90°F. Shipped with display "Locked."
- EFD Emergency Eye, Face & Drench.** Shipped with max. temp of 90°F. Must get software update to change temp. Shipped with display "Locked."

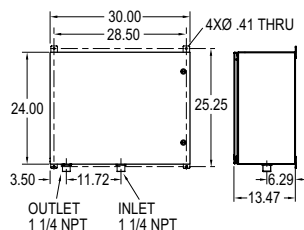
### PHD Pressure Drop

Flow Rate (GPM)	Delta PSI
2	0
3	0
4	0
6	0
8	1
11	3
12	4
15	6
18	8
20	10
22	13
24	14
27	17
30	22
33	26
35	30
37	34
40	43

### NEMA Cabinet Options

**Dimensions:** 24"H x 30"W x 13.5"D  
(Total weight est 150 lbs.)

- N4** Waterproof powder coated steel
- N4X** Waterproof corrosion resistant 304 stainless steel
- N4X6** Waterproof corrosion resistant 316 stainless steel



MODEL NUMBER	KW	BTU	AMPS PER PHASE	TURN ON (GPM)	RECOMMENDED WIRE SIZE (90° C/CU)	TEMPERATURE RISE °F									
						3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	20.0 GPM	23.0 GPM	26.0 GPM	30.0 GPM	40.0 GPM	
VOLTS 208 3ΦD															
AP032208	32	109,189	89	1.0*	1 AWG	73°	55°	36°	29°	11°	10°	8°	7°	5°	
AP032208 EE	32	109,189	89	1.0*	1 AWG	73°	55°	36°	29°	11°	10°	8°	7°	5°	
AP032208 S	32	109,189	89	1.0*	1 AWG	73°	55°	36°	29°	11°	10°	8°	7°	5°	
AP036208	36	122,832	100	1.0*	1 AWG	82°	61°	49°	41°	12°	11°	9°	8°	6°	
AP036208 EE	36	122,832	100	1.0*	1 AWG	82°	61°	49°	41°	12°	11°	9°	8°	6°	
AP036208 S	36	122,832	100	1.0*	1 AWG	82°	61°	49°	41°	12°	11°	9°	8°	6°	
AP041208	41	143,310	112	1.0*	1 AWG	93°	70°	47°	37°	14°	12°	11°	9°	7°	
AP041208 EFD	41	143,310	112	1.0*	1 AWG	93°	70°	47°	37°	14°	12°	11°	9°	7°	
AP041208 S	41	143,310	112	1.0*	1 AWG	93°	70°	47°	37°	14°	12°	11°	9°	7°	
AP054208	54	184,256	150	1.5*	2/0 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP054208 EFD	54	184,256	150	1.5*	2/0 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP054208 S	54	184,256	150	1.5*	2/0 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP064208	64	218,377	178	2.5	3/0 AWG	146°	109°	73°	58°	22°	19°	17°	15°	11°	
AP064208 EFD	64	218,377	178	2.5	3/0 AWG	146°	109°	73°	58°	22°	19°	17°	15°	11°	
AP064208 S	64	218,377	178	2.5	3/0 AWG	146°	109°	73°	58°	22°	19°	17°	15°	11°	
VOLTS 480 3ΦD															
AP036480	36	122,837	43	1.0*	8 AWG	82°	61°	41°	33°	12°	11°	9°	8°	6°	
AP036480 EE	36	122,837	43	1.0*	8 AWG	82°	61°	41°	33°	12°	11°	9°	8°	6°	
AP036480 S	36	122,837	43	1.0*	8 AWG	82°	61°	41°	33°	12°	11°	9°	8°	6°	
AP039480	39	133,068	47	1.0*	6 AWG	89°	67°	53°	44°	13°	12°	10°	9°	7°	
AP039480 EE	39	133,068	47	1.0*	6 AWG	89°	67°	53°	44°	13°	12°	10°	9°	7°	
AP039480 S	39	133,068	47	1.0*	6 AWG	89°	67°	53°	44°	13°	12°	10°	9°	7°	
AP048480	48	163,783	58	1.0*	6 AWG	109°	82°	55°	44°	16°	14°	13°	11°	8°	
AP048480 EFD	48	163,783	58	1.0*	6 AWG	109°	82°	55°	44°	16°	14°	13°	11°	8°	
AP054480	54	184,256	65	1.5*	4 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP054480 EFD	54	184,256	65	1.5*	4 AWG	123°	92°	61°	49°	18°	16°	14°	12°	9°	
AP063480	63	214,956	76	2.5	3 AWG	143°	108°	86°	72°	22°	19°	17°	14°	11°	
AP063480 EFD	63	214,956	76	2.5	3 AWG	143°	108°	86°	72°	22°	19°	17°	14°	11°	
AP063480 S	63	214,956	76	2.5	3 AWG	143°	108°	86°	72°	22°	19°	17°	14°	11°	
AP072480	72	245,674	87	2.5	3 AWG	+	123°	82°	66°	25°	21°	19°	16°	12°	
AP072480 EFD	72	245,674	87	2.5	3 AWG	+	123°	82°	66°	25°	21°	19°	16°	12°	
AP096480	96	327,552	116	2.5	1/0 AWG	+	+	131°	109°	33°	29°	25°	22°	16°	
AP096480 EFD	96	327,552	116	2.5	1/0 AWG	+	+	131°	109°	33°	29°	25°	22°	16°	
AP096480 S	96	327,552	116	2.5	1/0 AWG	+	+	131°	109°	33°	29°	25°	22°	16°	
AP108480	108	368,511	130	2.5	1/0 AWG	+	+	123°	98°	37°	32°	28°	25°	18°	
AP108480 EFD	108	368,511	130	2.5	1/0 AWG	+	+	123°	98°	37°	32°	28°	25°	18°	
AP126480	126	429,930	151	2.5	2/0 AWG	+	+	143°	115°	43°	37°	33°	29°	22°	
AP126480 EFD	126	429,930	151	2.5	2/0 AWG	+	+	143°	115°	43°	37°	33°	29°	22°	
AP144480	144	491,348	173	2.5	3/0 AWG	+	+	+	+	49°	43°	38°	33°	25°	
AP144480 EFD	144	491,348	173	2.5	3/0 AWG	+	+	+	+	49°	43°	38°	33°	25°	
VOLTS 600 3ΦD															
C AP130600 EFD	130	443,578	125	2.5	1 AWG	+	+	+	118°	44°	29°	34°	26°	22°	
C AP150600 EFD	150	511,821	144	2.5	1/0 AWG	+	+	+	51°	45°	39°	24°	26°	26°	

\* Units with 1 GPM turn-on are limited to 120°F only. Contact Eemax support for applications above 120°F and 1 GPM or less.

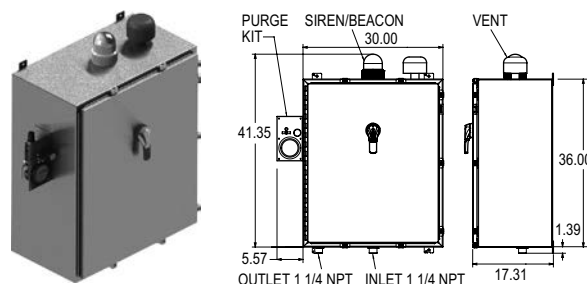
+ Temperature electronically limited to factory preset not to exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

### NEMA Cabinet Option Accessories:

**Dimensions:** 36"H x 30"W x 17.3"D  
(Total weight est. 225 lbs.)

- FP** Freeze protection (-30°F)
- EDS** Non-fused disconnect
- FDS** Fused disconnect
- EP** Explosion proof (C1D1/2 Groups A,B,C,&D)
- GFCI** True RMS GFCI with digital display and reset
- SK** 24" legs for free standing applications
- RD** Remote display
- SB** Siren and Beacon



### Special Design Service

Inquiries for units for unique applications are welcome.

Call our Technical Service department at **1-800-543-6163**.



# AccuMix Series

Ideal for Sensor or Metering Faucets. UPC 413.1 Code Compliant

## Specifications

Electric Tankless Hot Water Heater

### Performance Features

- Eemax exclusive turnkey solution
- Integrated mixing valve meets ASSE 1070-2004
- Meets UPC 413.1 requirements when properly installed
- No scalding or temperature spikes
- Product performance test indicator light
- 99% energy efficient reducing your utility costs
- On-Demand hot water — never run out
- 0.3 GPM turn on
- Quick temperature ramp up time
- Compatible with all sensor and non-sensor faucets
- Save water – “Point of Use”
- Easy installation – only one cold or hot water line is needed for installation – integral compression fittings for 1/2” pipe on BOTTOM (MB Units) or 3/8” on TOP (MT Units)
- Reduces calcification, liming and sedimentation
- Reduces installation cost and material – No T&P relief valve needed (check local codes)
- Warranty – Heaters, against failure due to leaks of “Heater Body/Element Assembly”, five (5) years – Parts, one (1) year
- High Temperature Limit Switch (ECO) with automatic reset
- ADA Compliant

### Product Specifications

<b>Dimensions:</b>	13.5" H x 5" W x 4" D
<b>Weight:</b>	8 lbs.
<b>Cover:</b>	Steel Powder Coated
<b>Color:</b>	Sandstone
<b>Temperature:</b>	Factory set to 105°F
<b>Element:</b>	Replaceable Ni Chrome cartridge insert
<b>MT Fittings:</b>	3/8" compression fittings at TOP of unit
<b>MB Fittings:</b>	1/2" compression fittings at BOTTOM of unit
<b>UL Listed:</b>	E86887

U.S. Patent Pending Technology

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

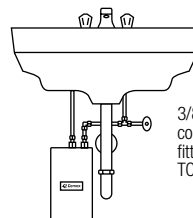
### Suggested Specification

Tankless water heater shall be an Eemax AccuMix model number M\_\_\_\_\_.T.

Tankless Water Heater shall be an Eemax AccuMix model, with digital microprocessing temperature control capable of maintaining outlet temperature of  $\pm 1^\circ\text{F}$  accuracy, and uses an ASSE 1070 approved integrated mixing valve to conform to UPC 413.1. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" pipe compression fittings (5/8" OD) or 3/8" (1/2" OD) fittings, to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.



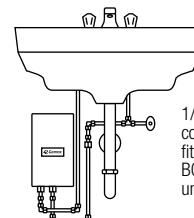
MT Version



3/8" compression fittings at TOP of unit



MB Version



1/2" compression fittings at BOTTOM of unit



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



# AccuMix Series

Ideal for Sensor or Metering Faucets. UPC 413.1 Code Compliant

## Specifications

Electric Tankless Hot Water Heater

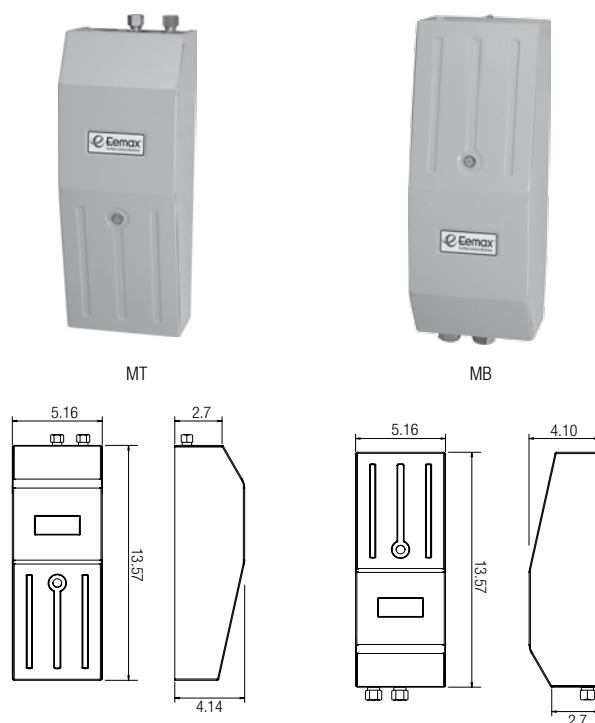
**Warning:** The temperature of this heater has been Eemax factory set at 105°F for hand washing applications and must not be adjusted. Tampering with any adjustments will void warranty and may cause a loss of compliance to Uniform Plumbing Code 413.1. For further information please contact our technical support department at **1-800-543-6163**.

									TEMPERATURE RISE °F			
MODEL NUMBER	VOLTS	KW	AMPS	TURN ON (GPM)	RECOM-MENDED WIRE SIZE (CU)	# OF 0.5 AERATORS SUPPLIED/UNIT	WATER CONNECTIONS	COMPRESSION FITTINGS	0.5 GPM	1.0 GPM	1.5 GPM	
ACCUMIX MT with 3/8" Compression Fittings at TOP of Unit												
C	MT004120T	120V	3.5	29A	0.3	10 AWG	1	3/8"	Top	48°	—	—
C	MT005240T	240V	4.8	20A	0.3	12 AWG	1	3/8"	Top	64°	31°	21°
C	MT005240T (derated 208V perf.)	240V*	3.6	17A	0.3	12 AWG	1	3/8"	Top	49°	25°	16°
C	MT007240T	240V	6.5	27A	0.3	10 AWG	2	3/8"	Top	†	44°	30°
C	MT007240T (derated 208V perf.)	240V*	4.9	24A	0.3	10 AWG	2	3/8"	Top	66°	33°	22°
C	MT010240T	240V	9.5	40A	0.3	8 AWG	3	3/8"	Top	†	65°	43°
C	MT010240T (derated 208V perf.)	240V*	7	34A	0.3	8 AWG	3	3/8"	Top	†	48°	32°
	MT004277T	277V	4.1	14.8A	0.3	14 AWG	1	3/8"	Top	56°	28°	19°
	MT008277T	277V	8.0	29A	0.3	10 AWG	2	3/8"	Top	†	55°	36°
	MT010277T	277V	10.0	40A	0.3	8 AWG	3	3/8"	Top	†	68°	46°
ACCUMIX MB with 1/2" Compression Fittings at BOTTOM of Unit												
C	MB004120T	120V	3.5	29A	0.3	10 AWG	1	1/2"	Bottom	48°	—	—
C	MB005240T	240V	4.8	20A	0.3	12 AWG	1	1/2"	Bottom	64°	31°	21°
C	MB005240T (derated 208V perf.)	240V*	3.6	17A	0.3	12 AWG	1	1/2"	Bottom	49°	25°	16°
C	MB007240T	240V	6.5	27A	0.3	10 AWG	2	1/2"	Bottom	†	44°	30°
C	MB007240T (derated 208V perf.)	240V*	4.9	24A	0.3	10 AWG	2	1/2"	Bottom	66°	33°	22°
C	MB010240T	240V	9.5	40A	0.3	8 AWG	3	1/2"	Bottom	†	65°	43°
C	MB010240T (derated 208V perf.)	240V*	7	34A	0.3	8 AWG	3	1/2"	Bottom	†	48°	32°
C	MB012240T	240V	11.5	50A	0.3	6 AWG	4	1/2"	Bottom	†	79°	52°
C	MB012240T (derated 208V perf.)	240V*	8.7	42A	0.3	6 AWG	4	1/2"	Bottom	†	59°	39°
	MB004277T	277V	4.1	14.8A	0.3	14 AWG	1	1/2"	Bottom	56°	28°	19°
	MB008277T	277V	8.0	29A	0.3	10 AWG	2	1/2"	Bottom	†	55°	36°
	MB010277T	277V	10.0	40A	0.3	8 AWG	3	1/2"	Bottom	†	68°	46°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 208V to 240V single phase applied voltage. Check with local officials prior to derating the electrical infrastructure.

† Units are factory preset to not exceed 105°F.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.



# Point of Use “Non-Thermostatic”

Single Point and Flow Controlled (Designed for cold water feed only)

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Hand washing (0.35-2.0 GPM)
- Kitchen/bar/utility sinks
- Manufacturing facilities
- Public hand washing
- Hand set shower (0.7-2.0 GPM)
- Dual handwash sinks (DL option)
- Modular buildings and tenant spaces

### Performance Features

- On demand hot water. Flow switch activates heater only on demand (no standby heat loss). 99% efficient
- Endless hot water – no storage capacity to run out
- Easy installation. No T&P relief valve needed (check local codes). Only one cold water line need be brought to installation, mounts on wall
- High temperature limit switch with automatic reset
- Optional flow restricting aerator (for EX-DL models) ensures proper temperature rise. Standard with SP models
- Prevents Legionella bacteria growth
- Reduces calcification, liming and sedimentation
- Complies with handicap ADA physical installation requirements
- Ni Chrome element – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Heaters, against failure due to leaks of “Heater Body/Element Assembly”, five (5) years – Parts, one (1) year

### Product Specifications

<b>Dimensions:</b>	10.75" x 5.25" x 2.78"
<b>Weight:</b>	4 lbs.
<b>Cover:</b>	ABS UL rated 94Vo.
<b>Color:</b>	White
<b>Element:</b>	Replaceable cartridge insert
<b>Fittings:</b>	SP – 3/8" compression fitting at top of unit EX – 1/2" (5/8" OD) compression fitting at bottom of unit
<b>Operating Pressure:</b>	Min. 25 PSI, max. 150 PSI
<b>UL Listed:</b>	E86887 (M)

U.S. Patent #'s: 4,762,980 and 4,960,976

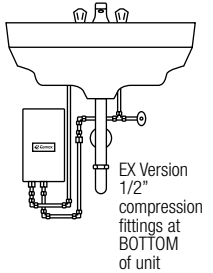
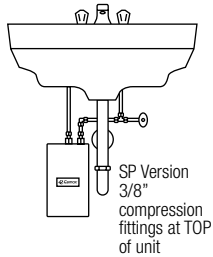
### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



Pictured, EX: Bottom Water Connections

U.S. Patent #'s: 4,762,980 and 4,960,976



Series 1  
Single Point and  
Flow Controlled



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Non-Thermostatic model number \_\_\_\_\_.

Unit shall have ABS-UL 94V0 rated cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, nickel chrome material. Heater shall be fitted with compression fitting, 1/2" (5/8" OD) for model EX, or 3/8" fitting (1/2" OD) for model SP, to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal. NOTE: Refer to rating chart for product information.

Specification options available on EX models:

- \_\_\_ **DL** Dual Lavs- supplied with two faucet aerators
- \_\_\_ **SL** Single Lav – supplied with 3/8" compression fittings (0.5 or 1.0 GPM aerator included).
- \_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Point of Use “Non-Thermostatic”

Single Point and Flow Controlled (Designed for cold water feed only)

## Specifications

Electric Tankless Hot Water Heater

Series 1  
Single Point and  
Flow Controlled

						TEMPERATURE RISE °F			
MODEL NUMBER		KW	AMPS	TURN ON (GPM)	RECOMMENDED WIRE SIZE (CU)	0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM
VOLTS 120									
C	SP2412†	2.4kW	20A	0.3	12 AWG	33°	—	—	—
C	EX2412	2.4kW	20A	0.3	12 AWG	33°	—	—	—
C	SP3012†	3.0kW	25A	0.3	10 AWG	41°	—	—	—
C	EX3012	3.0kW	25A	0.3	10 AWG	41°	—	—	—
C	SP3512†	3.5kW	29A	0.3	10 AWG	48°	—	—	—
C	EX3512	3.5kW	29A	0.3	10 AWG	48°	—	—	—
VOLTS 208 Single Phase									
C	SP3208†	3.0kW	15A	0.3	14 AWG	41°	—	—	—
C	EX3208	3.0kW	15A	0.3	14 AWG	41°	—	—	—
C	SP4208†	4.1kW	20A	0.3	12 AWG	56°	—	—	—
C	EX4208	4.1kW	20A	0.3	12 AWG	56°	—	—	—
C	SP8208†	8.3kW	40A	0.7	8 AWG	—	76°	57°	38°
C	SP8208 DL†	8.3kW	40A	0.7	8 AWG	—	76°	57°	38°
C	EX8208	8.3kW	40A	0.7	8 AWG	—	76°	57°	38°
C	EX8208 DL	8.3kW	40A	0.7	8 AWG	—	76°	57°	38°
VOLTS 240*									
C	SP35†	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°
C	SP35† (derated 208V perf.)	2.7kW	13A	0.3	*	37°	24°	18°	15°
C	EX35	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°
C	EX35 (derated 208V perf.)	2.7kW	13A	0.3	*	37°	24°	18°	15°
C	EX35 SL	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°
C	SP48†	4.8kW	20A	0.5	12 AWG	64°	42°	31°	21°
C	SP48† (derated 208V perf.)	3.6kW	17A	0.5	*	49°	33°	25°	16°
C	SP48 DL	4.8kW	20A	0.5	12 AWG	64°	42°	31°	21°
C	EX48	4.8kW	20A	0.5	12 AWG	64°	42°	31°	21°
C	EX48 (derated 208V perf.)	3.6kW	17A	0.5	*	49°	33°	25°	16°
C	EX48 SL	4.8kW	20A	0.5	12 AWG	64°	42°	31°	21°
C	EX48 DL	4.8kW	20A	0.5	12 AWG	64°	42°	31°	21°
C	SP55†	5.5kW	23A	0.5	10 AWG	75°	50°	38°	25°
C	SP55† (derated 208V perf.)	4.1kW	20A	0.5	*	56°	38°	28°	19°
C	SP55 DL†	5.5kW	23A	0.5	10 AWG	75°	50°	38°	25°
C	EX55	5.5kW	23A	0.5	10 AWG	75°	50°	38°	25°
C	EX55 (derated 208V perf.)	4.1kW	20A	0.5	*	56°	38°	28°	19°
C	EX55 DL	5.5kW	23A	0.5	10 AWG	75°	50°	38°	25°
C	EX55 SL	5.5kW	23A	0.5	10 AWG	75°	50°	38°	25°
C	SP65†	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°
C	SP65† (derated 208V perf.)	4.9kW	24A	0.7	*	66°	44°	33°	22°
C	SP65 DL†	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°
C	EX65	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°
C	EX65 (derated 208V perf.)	4.9kW	24A	0.7	*	66°	44°	33°	22°
C	EX65 DL	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°
C	EX65 SL	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°
C	SP75†	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°
C	SP75† (derated 208V perf.)	5.6kW	27A	0.7	*	77°	51°	38°	26°
C	SP75 DL†	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°
C	EX75	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°
C	EX75 (derated 208V perf.)	5.6kW	27A	0.7	*	77°	51°	38°	26°
C	EX75 DL	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°
C	EX75 SL	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°
C	SP95†	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°
C	SP95† (derated 208V perf.)	7kW	34A	0.7	*	95°	64°	48°	32°
C	SP95 DL†	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°
C	EX95	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°
C	EX95 (derated 208V perf.)	7kW	34A	0.7	*	95°	64°	48°	32°
C	EX95 DL	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°
C	EX95 SL	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

† 3/8" compression fittings at top of unit

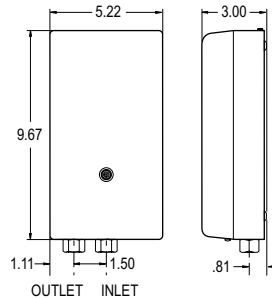
"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

MODEL NUMBER	KW	AMPS	TURN ON (GPM)	RECOMMENDED WIRE SIZE (CU)	TEMPERATURE RISE °F			
					0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM
VOLTS 277								
SP3277†	3.0kW	11A	0.3	14 AWG	41°	—	—	—
EX3277	3.0kW	11A	0.3	14 AWG	41°	—	—	—
SP4277†	4.1kW	14.8A	0.3	14 AWG	56°	37°	28°	19°
EX4277	4.1kW	14.8A	0.3	14 AWG	56°	37°	28°	19°
SP60†	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°
SP60 DL†	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°
EX60	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°
EX60 SL	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°
EX60 DL	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°
SP80†	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°
SP80 DL†	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°
EX80	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°
EX80 SL	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°
EX80 DL	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°
SP90†	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°
SP90 DL†	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°
EX90	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°
EX90 SL	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°
EX90 DL	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°
SP100†	10kW	36A	0.7	8 AWG	—	91°	68°	46°
SP100 DL†	10kW	36A	0.7	8 AWG	—	91°	68°	46°
EX100	10kW	36A	0.7	8 AWG	—	91°	68°	46°
EX100 SL	10kW	36A	0.7	8 AWG	—	91°	68°	46°
EX100 DL	10kW	36A	0.7	8 AWG	—	91°	68°	46°

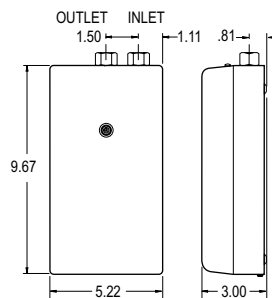
## Suffix Definitions

- DL** Dual Lavs – Two faucet aerators provided  
**SL** Single Lav – 3/8" compression connections

### “EX”

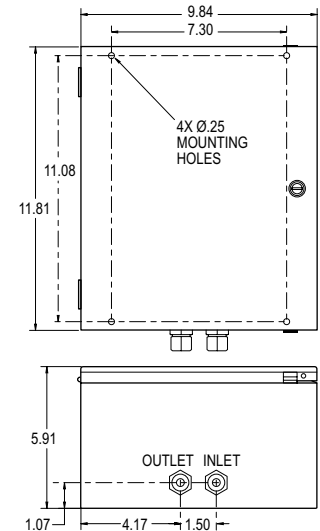


### “SP”



### NEMA 4/4X

For EX version only. NEMA cabinets not available for SP version.



# Point of Use “Thermostatic”

Micro Processing Temperature Control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Multi lav configurations (up to three) ideal for sensor or metering faucets (ML option)
- Emergency eye wash fountains (EE option)
- Dishwashers, commercial kitchens
- Low volume showers

### Performance Features

- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save Water – “Point of Use”
- Eliminate costly mixing valves (check local codes)
- Continuous hot water. No storage capacity to run out
- Eliminate lag time in long pipe runs
- Booster up to 180°F (S option)
- Easy installation. Only one cold or hot water line need be brought to installation – integral compression fittings for 1/2” pipe (5/8” OD) on bottom (no sweat connections)
- Microprocessor temperature control for thermostatic accuracy +/-1°F. Fully adjustable temperature range between 100-140°. Special settings of higher or lower range available upon request. (see Specification Options)
- Reduces installation cost and materials. No T&P relief valve needed (check local codes)
- Prevents Legionella bacteria growth
- Reduces calcification, liming and sedimentation
- Compact size
- Warranty – Heaters, against failure due to leaks of “Heater Body/Element Assembly”, five (5) years – Parts, one (1) year
- High temperature limit switch (ECO)

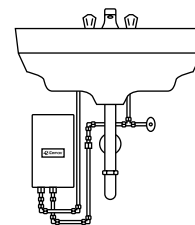
### Product Specifications

<b>Dimensions:</b>	10.75”x 5.25”x 2.875”
<b>Weight:</b>	4 lbs.
<b>Cover:</b>	ABS UL rated 94Vo.
<b>Color:</b>	White
<b>Std. Temp. Range</b>	100°F-140°F
<b>Element:</b>	Replaceable Ni Chrome cartridge insert
<b>Fittings:</b>	1/2” pipe compression fittings at bottom of unit. (5/8” OD)
<b>UL Listed:</b>	E86887 (M)

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Thermostatic model number EX\_\_\_\_\_.

Unit shall have ABS-UL 94Vo rated cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2” pipe compression nuts (5/8” OD) to eliminate need for soldering. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

Specification options to be included with EX models:

- \_\_\_ **EE** Emergency Eyewash. Meets ANSI tepid water requirements. Max. temperature 90°F
- \_\_\_ **FS** Factory Set. Customer specified factory-set not to exceed temperature ambient to 180°F
- \_\_\_ **ML** Multiple Lavatory. Factory preset to 110°F with 0.3 GPM turn on for sensor and metering faucets
- \_\_\_ **S** Sanitation. Factory preset not to exceed temperature of 180°F
- \_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Point of Use “Thermostatic”

Micro Processing Temperature Control

## Specifications

Electric Tankless Hot Water Heater

Series 1  
Thermostatic

					TEMPERATURE RISE °F					
MODEL NUMBER		kW	AMPS	TURN ON (GPM)	REC'D WIRE SIZE (CU)	0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM
VOLTS 120										
C	EX2412T	2.4kW	20A	0.3	12 AWG	33°	22°	16°	11°	8°
C	EX2412T EE	2.4kW	20A	0.3	12 AWG	33°	22°	16°	11°	8°
C	EX2412T FS	2.4kW	20A	0.3	12 AWG	33°	22°	16°	11°	8°
C	EX2412T S	2.4kW	20A	0.3	12 AWG	33°	22°	16°	11°	8°
C	EX3012T	3.0kW	25A	0.3	10 AWG	41°	27°	20°	14°	10°
C	EX3012T EE	3.0kW	25A	0.3	10 AWG	41°	27°	20°	14°	10°
C	EX3012T FS	3.0kW	25A	0.3	10 AWG	41°	27°	20°	14°	10°
C	EX3012T S	3.0kW	25A	0.3	10 AWG	41°	27°	20°	14°	10°
C	EX3512 T	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
C	EX3512 T EE	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
C	EX3512 T FS	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
C	EX3512 T ML	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
C	EX3512 T S	3.5kW	29A	0.3	10 AWG	48°	32°	24°	16°	12°
VOLTS 240*										
C	EX35T	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX35T (derated 208V perf.)	2.7kW	13A	0.3	14 AWG	37°	24°	18°	1.5°	9°
C	EX35T EE	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX35T FS	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX35T ML	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX35T S	3.5kW	15A	0.3	14 AWG	48°	32°	24°	16°	12°
C	EX48T	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX48T (derated 208V perf.)	3.6kW	17A	0.3	12 AWG	49°	33°	25°	16°	12°
C	EX48T EE	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX48T FS	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX48T ML	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX48T S	4.8kW	20A	0.3	12 AWG	64°	42°	31°	21°	16°
C	EX55T	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX55T (derated 208V perf.)	4.1kW	20A	0.3	10 AWG	56°	38°	28°	19°	17°
C	EX55T EE	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX55T FS	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX55T ML	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX55T S	5.5kW	23A	0.3	10 AWG	75°	50°	38°	25°	19°
C	EX65T	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°	22°
C	EX65T (derated 208V perf.)	4.9kW	24A	0.7	10 AWG	—	44°	33°	22°	17°
C	EX65T EE	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°	22°
C	EX65T FS	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°	22°
C	EX65T ML	6.5kW	27A	0.3	10 AWG	+	59°	44°	30°	22°
C	EX65T S	6.5kW	27A	0.7	10 AWG	—	59°	44°	30°	22°
C	EX75T	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°	26°
C	EX75T (derated 208V perf.)	5.6kW	27A	0.7	8 AWG	—	51°	38°	26°	19°
C	EX75T EE	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°	26°
C	EX75T FS	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°	26°
C	EX75T ML	7.5kW	32A	0.3	8 AWG	+	68°	51°	34°	26°
C	EX75T S	7.5kW	32A	0.7	8 AWG	—	68°	51°	34°	26°
C	EX95T	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°	32°
C	EX95T (derated 208V perf.)	7kW	34A	0.7	8 AWG	—	64°	48°	32°	24°
C	EX95T EE	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°	32°
C	EX95T FS	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°	32°
C	EX95T ML	9.5kW	40A	0.3	8 AWG	—	87°	65°	43°	32°
C	EX95T S	9.5kW	40A	0.7	8 AWG	—	87°	65°	43°	32°
	EX012240T	11.5kW	48A	0.7	6 AWG	—	104°	79°	52°	39°
	EX012240T (derated 208V perf.)	8.7kW	42A	0.7	6 AWG	—	79°	59°	39°	30°
	EX012240T EE	11.5kW	48A	0.7	6 AWG	—	104°	79°	52°	39°
	EX012240T FS	11.5kW	48A	0.7	6 AWG	—	104°	79°	52°	39°
	EX012240T ML	11.5kW	48A	0.3	6 AWG	—	104°	79°	52°	39°
	EX012240T S	11.5kW	48A	0.7	6 AWG	—	104°	79°	52°	39°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

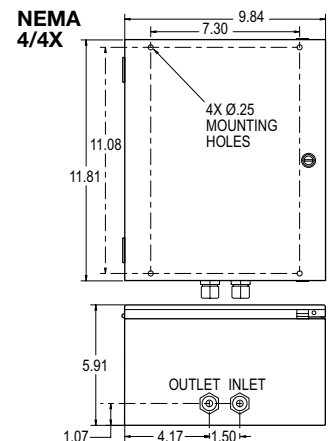
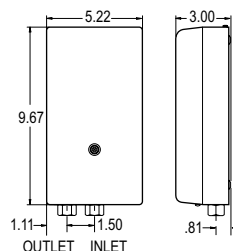
+Temperature electronically limited to factory preset not to exceed temperature.

“C” indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

					TEMPERATURE RISE °F					
MODEL NUMBER		KW	AMPS	TURN ON (GPM)	REC'D WIRE SIZE (CU)	0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM
VOLTS 208 Single Phase										
C	EX3208T	3.0kW	15A	0.3	14 AWG	41°	—	—	—	—
C	EX3208T ML	3.0kW	15A	0.3	14 AWG	41°	—	—	—	—
C	EX4208T	4.1kW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX4208T EE	4.1kW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX4208T FS	4.1kW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX4208T ML	4.1kW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX4208T S	4.1kW	20A	0.3	12 AWG	56°	37°	28°	18°	14°
C	EX8208T	8.3kW	40A	0.7	8 AWG	—	76°	57°	38°	28°
C	EX8208T EE	8.3kW	40A	0.7	8 AWG	—	76°	57°	38°	28°
C	EX8208T FS	8.3kW	40A	0.7	8 AWG	—	76°	57°	38°	28°
C	EX8208T ML	8.3kW	40A	0.3	8 AWG	+	76°	57°	38°	28°
C	EX8208T S	8.3kW	40A	0.7	8 AWG	—	76°	57°	38°	28°
VOLTS 277										
	EX3277T	3.0kW	11A	0.3	14 AWG	41°	—	—	—	—
	EX3277T EE	3.0kW	11A	0.3	14 AWG	41°	—	—	—	—
	EX3277T FS	3.0kW	11A	0.3	14 AWG	41°	—	—	—	—
	EX3277T ML	3.0kW	11A	0.3	14 AWG	41°	—	—	—	—
	EX3277T S	3.0kW	11A	0.3	14 AWG	41°	—	—	—	—
	EX4277T	4.1kW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX4277T EE	4.1kW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX4277T FS	4.1kW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX4277T ML	4.1kW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX4277T S	4.1kW	14.8A	0.3	14 AWG	56°	37°	28°	19°	14°
	EX60T	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°	20°
	EX60T EE	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°	20°
	EX60T FS	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°	20°
	EX60T ML	6.0kW	22A	0.3	10 AWG	81°	55°	41°	27°	20°
	EX60T S	6.0kW	22A	0.7	10 AWG	—	55°	41°	27°	20°
	EX80T	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°	27°
	EX80T EE	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°	27°
	EX80T FS	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°	27°
	EX80T ML	8.0kW	29A	0.3	10 AWG	+	73°	55°	36°	27°
	EX80T S	8.0kW	29A	0.7	10 AWG	—	73°	55°	36°	27°
	EX90T	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°	31°
	EX90T EE	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°	31°
	EX90T FS	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°	31°
	EX90T ML	9.0kW	33A	0.3	8 AWG	+	82°	61°	41°	31°
	EX90T S	9.0kW	33A	0.7	8 AWG	—	82°	61°	41°	31°
	EX100T	10.0kW	36A	0.7	8 AWG	—	91°	68°	46°	34°
	EX100T EE	10.0kW	36A	0.7	8 AWG	—	91°	68°	46°	34°
	EX100T FS	10.0kW	36A	0.7	8 AWG	—	91°	68°	46°	34°
	EX100T ML	10.0kW	36A	0.3	8 AWG	+	91°	68°	46°	34°
	EX100T S	10.0kW	36A	0.7	8 AWG	—	91°	68°	46°	34°

## Suffix Definitions

- EE** Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
- FS** Factory set ambient to 180°
- ML** Multi lvs 0.3 turn on, staged up to 4 lvs 105°-110° temp setting
- S** Sanitation 180°



Information and product specifications contained in this document are subject to change without notice.



# Mini-Tank Series

1.5, 2.5, 4 and 6 Gallon Mini Tanks Deliver Hot Water Efficiently

## Specifications

Electric Mini-Tank Hot Water Heater

### Performance Features

- Point-of-use heating eliminates long hot water pipe runs
- Compact design fits virtually anywhere
- Easy and ready to install
- Hot or cold water feed
- Adjustable temperature control 50°-140°F
- T&P relief valve included
- Glass lined tank for extended life
- Floor and wall mountable, bracket included
- Field replaceable element
- ETL tested to UL174 and NSF372
- EMT1, EMT2.5 and EMT4 plug into standard outlets, cord included. EMT6 must be hard wired, pig tail included
- Single weld design
- Tank status indicator light –  
Green: ready mode  
Red: heating mode
- Warranty, five (5) years limited on leaks, two (2) years on defects



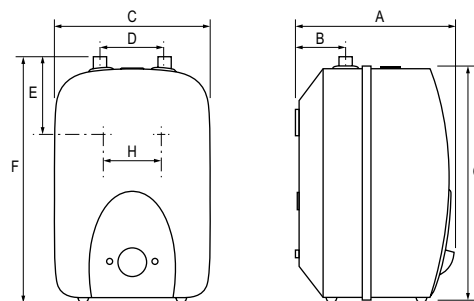
The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Product Specifications

- Voltage: 120 volts
- Amperage: 12 amps
- Heating Capacity: 1440 watts
- Phase: Single
- Temperatures: 50°-140°F
- Max. Operating Pressure: 150 PSI

	Tank Volume (gals)	Weight (lbs.)	Fittings	Recovery time based on 60° temp. rise
<b>EMT1</b>	1.5	11.7	1/2" NPT connections at TOP of unit	8 minutes
<b>EMT2.5</b>	2.5	15.5	1/2" NPT connections at TOP of unit	15 minutes
<b>EMT4</b>	4	19.3	1/2" NPT connections at TOP of unit	24 minutes
<b>EMT6</b>	6	24.9	3/4" NPT connections at TOP of unit	37 minutes



Dimensions Key	EMT1		EMT2.5		EMT4		EMT6	
	inch	mm	inch	mm	inch	mm	inch	mm
A	9.95	252.7	11.23	285.2	12.88	327.2	14.36	364.7
B	3.15	80.0	3.13	79.5	4.06	103.1	3.46	87.9
C	9.71	246.6	10.89	276.6	12.27	311.7	13.85	351.8
D	3.94	100.1	3.94	100.1	3.94	100.1	3.94	100.1
E	5.08	129.0	5.61	142.5	6.46	164.1	7.52	191.0
F	15.09	383.3	16.91	429.5	18.27	464.1	20.96	532.4
G	14.19	360.4	15.98	405.9	17.41	442.2	19.81	503.2
H*	2.52	64.0	2.52	64.0	2.52	64.0	2.52	64.0

\*Mounting bracket location on the back of unit

### Special Design Service

Inquiries for units for unique applications are welcome. Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Water heater shall be an Eemax Mini-Tank model number EMT\_\_\_\_\_.

Unit shall be glass lined with a single weld design. Water connections and supplied T&P valve to be located on top of the unit. Unit shall have an status indicator light with adjustable thermostat. Unit to have a 5 year warranty against leaks.

# Mini-Tank Series

1.5, 2.5, 4 and 6 Gallon Mini Tanks Deliver Hot Water Efficiently

## Specifications

Electric Mini-Tank Hot Water Heater

### Eemax Mini Tank Installation

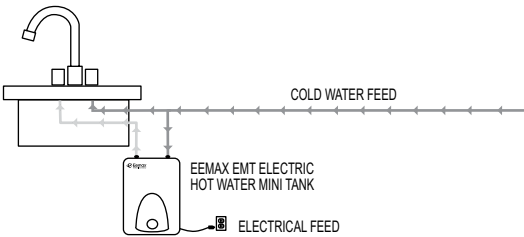
Save water by eliminating the wait for hot water to reach the faucet. Simply tap into the water line and install the heater directly at the sink. No need for costly recirculating lines and pumps. And when you want to eliminate the wait for hot water but need more volume, install the Eemax heater in-line with a larger hot water source, such as a tankless heater or a storage tank heater. Lightweight and compact.

MODEL NUMBER	KW	TANK VOLUME	DIMENSIONS	WATER CONNECTIONS	RELIEF VALVE	SHIPPING WEIGHT	PLUG IN
<b>VOLTS 120</b>							
C <b>EMT1</b>	1.4	1.5 gallons	12.5" H x 11" W x 10" D	1/2" NPT	Included	12.5 lbs.	Yes
C <b>EMT2.5</b>	1.4	2.5 gallons	14.5" H x 11.75" W x 10.375" D	1/2" NPT	Included	20 lbs.	Yes
C <b>EMT4</b>	1.4	4.0 gallons	19.25" H x 11.75" W x 10.375" D	1/2" NPT	Included	24 lbs.	Yes
C <b>EMT6</b>	1.4	6.0 gallons	18" H x 15.75" W x 15.5" D	3/4" NPT	Included	26 lbs.	No*

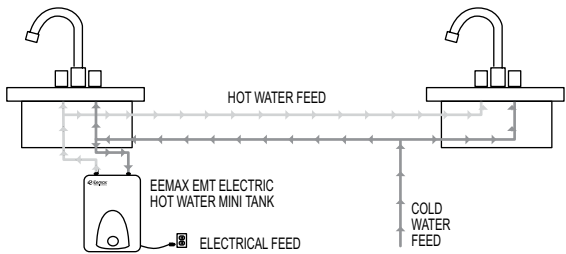
\*C\* indicates evaluation and compliance to Intertek (ETL) under CAN/CSA-C22.2 No. 10. \*Pigtail included.

### Sample Installations

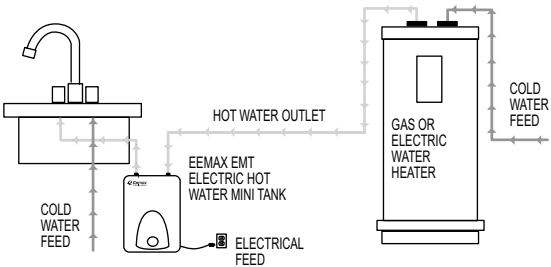
#### Standalone Point-of-Use Heating Application



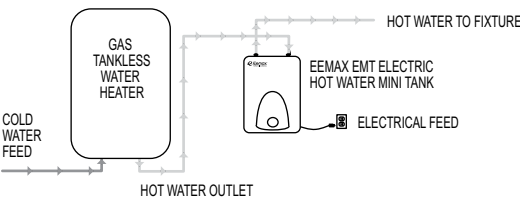
#### Standalone Point-of-Use Multi fixture Application



#### Point-of-Use Booster Heating Application from Central Tank Heating System



#### Cure for "Cold Water Sandwich" Gas Tankless Heating Application



# HomeAdvantage II

For Single Point-of-Use or Multiple Applications

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Water-Saver Shower Head 1.5 GPM
- Standard Shower Head 2.0 GPM
- Standard Hand Sink 0.5 GPM
- Kitchen Sink 1 to 2 GPM
- Bath Tub  $\geq 4$  GPM
- Dishwasher 1 to 2 GPM
- Washing Machine 1 to 1.5 GPM

Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards

### Performance Features

- Instant, consistent and endless hot water
- Compact, resistant and stylish with digital temperature control in increments of 1°F ranging from 80°F to 140°F
- 99.8% energy efficient
- Copper immersion heating elements with brass top increases durability and are threaded for easy replacement
- Simple Installation
- Digital temperature display
- External controls to adjust temperature in increments of 1°F.

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Tankless water heater shall be an Eemax HomeAdvantage II model number HA\_\_\_\_\_.



HA008240/HA011240/HA013240



HA018240



HA024240/HA027240



HA036240



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



HomeAdvantage II  
Residential

# HomeAdvantage II

For Single Point-of-Use or Multiple Applications

## Specifications

Electric Tankless Hot Water Heater

MODEL NUMBER	KW	AMPS	RECOMMENDED WIRE SIZE (CU)	TURN ON (GPM)	MIN. FLOW (GPM)	MAX. FLOW (GPM)	TEMPERATURE RISE °F								
							1.0 GPM	1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	
240V* 1 MODULES															
C	HA008240	8.0	33(1x40)A	8 AWG	0.3	0.3	4.8	55°	36°	27°	22°	18°	—	—	—
C	HA008240 (derated 208V performance)	5.8	28A	*	0.3	0.3	4.8	40°	27°	20°	—	—	—	—	—
C	HA011240	11.0	46(1x50)A	6 AWG	0.3	0.3	4.8	75°	50°	38°	30°	25°	—	—	—
C	HA011240 (derated 208V performance)	8.2	29A	*	0.3	0.3	4.8	56°	37°	28°	—	—	—	—	—
C	HA013240	13.0	54(1x60)A	6 AWG	0.3	0.3	4.8	89°	59°	44°	36°	30°	22°	—	—
C	HA013240 (derated 208V performance)	10.1	49(1x60)A	*	0.3	0.3	4.8	69°	46°	34°	—	—	—	—	—
240V* 2 MODULES															
C	HA018240	18.0	75(2x38)A	8 AWG	0.3	0.3	7.0	+	82°	62°	49°	41°	31°	25°	—
C	HA018240 (derated 208V performance)	13.3	64(2x32)A	*	0.3	0.3	7.0	90°	60°	45°	36°	30°	—	—	—
240V* 3 MODULES															
C	HA024240	24.0	100(3x33)A	8 AWG	0.3	0.3	7.0	+	+	82°	66°	55°	41°	33°	27°
C	HA024240 (derated 208V performance)	17.5	84(3x28)A	*	0.3	0.3	7.0	+	+	60°	48°	40°	30°	24°	20°
C	HA027240	27.0	112(3x37)A	8 AWG	0.3	0.3	7.0	+	+	92°	74°	62°	46°	37°	31°
C	HA027240 (derated 208V performance)	20	96(3x32)A	*	0.3	0.3	7.0	+	+	68°	55°	45°	34°	27°	23°
240V* 4 MODULES															
C	HA036240	36.0	150(4x38)A	8 AWG	0.3	0.3	8.0	+	+	+	98°	82°	62°	49°	41°
C	HA036240 (derated 208V performance)	26.6	127(4x32)A	*	0.3	0.3	8.0	+	+	91	73°	61°	45°	36°	30°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electronically limited setting on adjustable thermostat on front cover

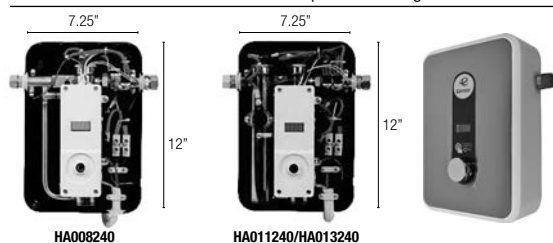
"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

## Product Specifications (all models)

<b>Rated Pressure</b>	25 PSI min., 150 PSI max.
<b>Certifications</b>	ETL Listed to UL 499 and CSA
<b>Std. Temp. Settings</b>	120°F (Adjustable 80°F-140°F)
<b>Temp. Accuracy</b>	+/-1° at steady state flow
<b>Max Flow Rate</b>	7 GPM @ 60 PSI
<b>Turn-On</b>	0.3 GPM

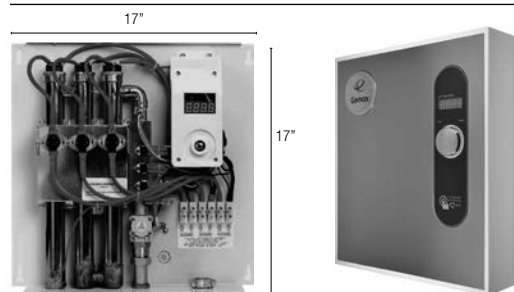
### HA008240/HA011240/HA013240

<b>Size</b>	11.75"H x 7.25"W x 3.75"D
<b>Weight</b>	8 kw: 4.75 lbs.    11 kw/13 kw: 7 lbs.
<b>Unique Features</b>	Solid, hand-welded exchanger, 1/2" NPT adapters, 3 foot electric cable and 1/2" compression fittings for water connectors included



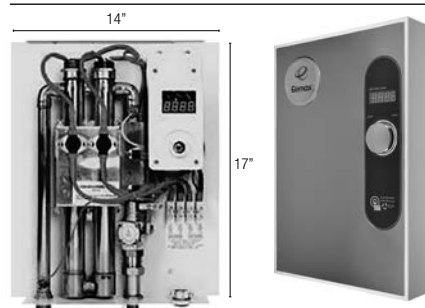
### HA024240/HA027240

<b>Size</b>	17"H x 17"W x 3.75"D
<b>Weight</b>	13.75 lbs.
<b>Unique Features</b>	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



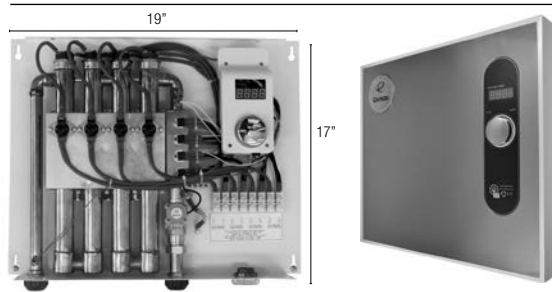
### HA018240

<b>Size</b>	17"H x 14"W x 3.75"D
<b>Weight</b>	11.25 lbs.
<b>Unique Features</b>	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



### HA036240

<b>Size</b>	17"H x 19"W x 3.75"D
<b>Weight</b>	17.4 lbs.
<b>Unique Features</b>	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



# ProSeries

For Single Point-of-Use or Multiple Applications in Commercial Applications

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Hand washing 0.5-2.2 gpm
- Standard Hand Sink 0.5 GPM
- Kitchen Sink or Mop Sink 4+ GPM
- Dishwasher 1 to 2 GPM

Average Gallons Per Minute (GPM) based on 2010 Plumbing Standards

### Performance Features

- Instant, consistent and endless hot water
- Protected internal temperature control
- 99.8% energy efficient
- Copper immersion heating elements with brass top increases durability and are threaded for easy replacement
- Simple Installation
- Internal temperature control adjust in increments of 1°
- Temperature range 80°-140°F

### Special Design Service

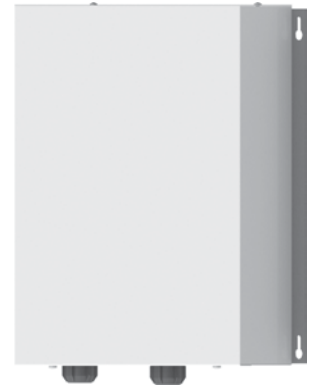
Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Tankless water heater shall be an Eemax ProSeries model number PRO\_\_\_\_\_.



PR0008240/PR011240/PR013240



PR0018240



PR0024240/PR0027240



PR0036240



**NO LEAD\***

The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



# ProSeries

For Single Point-of-Use or Multiple Applications in Commercial Applications

## Specifications

Electric Tankless Hot Water Heater

MODEL NUMBER	KW	AMPS	RECOMMENDED WIRE SIZE (CU)	TURN ON (GPM)	MIN. FLOW (GPM)	MAX. FLOW (GPM)	TEMPERATURE RISE °F								
							1.0 GPM	1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	
240V* 1 MODULES															
C	PRO008240	8.0	33(1x40)A	8 AWG	0.3	0.3	4.8	55°	36°	27°	22°	18°	—	—	—
C	PRO008240 (derated 208V performance)	5.8	28A	*	0.3	0.3	4.8	40°	27°	20°	—	—	—	—	—
C	PRO011240	11.0	46(1x50)A	6 AWG	0.3	0.3	4.8	75°	50°	38°	30°	25°	—	—	—
C	PRO011240 (derated 208V performance)	8.2	29A	*	0.3	0.3	4.8	56°	37°	28°	—	—	—	—	—
C	PRO013240	13.0	54(1x60)A	6 AWG	0.3	0.3	4.8	89°	59°	44°	36°	30°	22°	—	—
C	PRO013240 (derated 208V performance)	10.1	49(1x60)A	*	0.3	0.3	4.8	69°	46°	34°	—	—	—	—	—
240V* 2 MODULES															
C	PRO018240	18.0	75(2x38)A	8 AWG	0.3	0.3	7.0	+	82°	62°	49°	41°	31°	25°	—
C	PRO018240 (derated 208V performance)	13.3	64(2x32)A	*	0.3	0.3	7.0	90°	60°	45°	36°	30°	—	—	—
240V* 3 MODULES															
C	PRO024240	24.0	100(3x33)A	6 AWG	0.3	0.3	7.0	+	+	82°	66°	55°	41°	33°	27°
C	PRO024240 (derated 208V performance)	17.5	84(3x28)A	*	0.3	0.3	7.0	+	+	60°	48°	40°	30°	24°	20°
C	PRO027240	27.0	112(3x37)A	8 AWG	0.3	0.3	7.0	+	+	92°	74°	62°	46°	37°	31°
C	PRO027240 (derated 208V performance)	20	96(3x32)A	*	0.3	0.3	7.0	+	+	68°	55°	45°	34°	27°	23°
240V* 4 MODULES															
C	PRO036240	36.0	150(4x38)A	8 AWG	0.3	0.3	8.0	+	+	+	98°	82°	62°	49°	41°
C	PRO036240 (derated 208V performance)	26.6	127(4x32)A	*	0.3	0.3	8.0	+	+	91	73°	61°	45°	36°	30°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electronically limited setting on adjustable thermostat on front cover

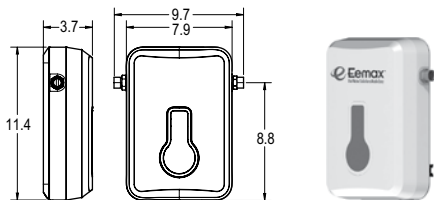
"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.

### Product Specifications (all models)

<b>Rated Pressure</b>	25 PSI min., 150 PSI max.
<b>Certifications</b>	ETL Listed to UL 499 and CSA
<b>Std. Temp. Settings</b>	120°F (Adjustable 80°F-140°F)
<b>Temp. Accuracy</b>	+/-1° at steady state flow
<b>Turn-On</b>	0.3 GPM

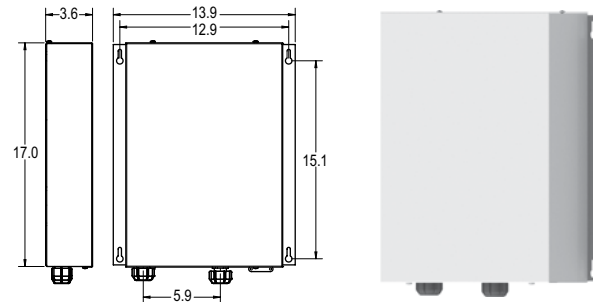
#### PRO008240/PRO011240/PRO013240

<b>Size</b>	11.75"H x 7.25"W x 3.75"D
<b>Weight</b>	8 kw: 4.75 lbs. 11 kw/13 kw: 7 lbs.
<b>Unique Features</b>	Solid, hand-welded exchanger, 1/2" NPT adapters, 3 foot electric cable and 1/2" compression fittings for water connectors included



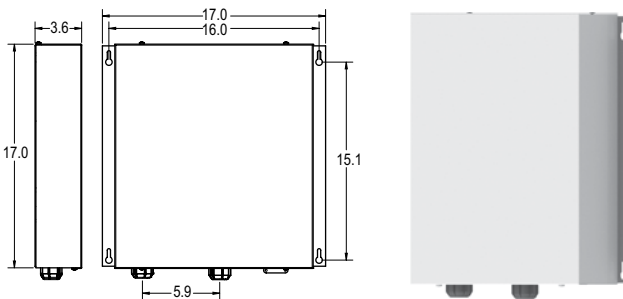
#### PRO018240

<b>Size</b>	17"H x 14"W x 3.75"D
<b>Weight</b>	11.25 lbs.
<b>Unique Features</b>	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



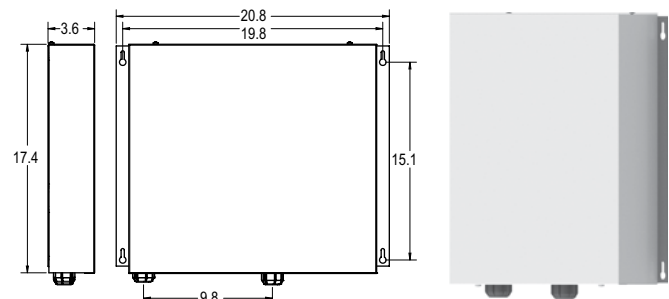
#### PRO024240/PRO027240

<b>Size</b>	17"H x 17"W x 3.75"D
<b>Weight</b>	13.75 lbs.
<b>Unique Features</b>	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation



#### PRO036240

<b>Size</b>	17"H x 19"W x 3.75"D
<b>Weight</b>	17.4 lbs.
<b>Unique Features</b>	Solid, hand-welded exchanger, 3/4" NPT water connectors for flex hose installation





# ProAdvantage Series

Digital Temperature Control for Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Performance Features

- Cut Energy Waste. Flow switch activates heater only on demand (no standby heat loss) 99% efficient
- Save Water – “Point of Use”
- Continuous Hot Water. No storage capacity to run out
- Easy Installation. Only one cold or hot water line is needed for installation – 3/4” NPT water fittings (except single module units use 1/2” compression fittings)
- Reduces calcification, liming and sedimentation
- External digital temp control
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Warranty – Heaters are guaranteed against failure due to leaks of “Heater Body/Element Assembly” for a period of five (5) years and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year
- LEED credits available
- Aluminum powder coated exterior

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Water heater shall be an Eemax ProAdvantage model number PA\_\_\_\_\_

Tankless Water Heater shall be an Eemax ProAdvantage model, with digital microprocessing temperature control capable of maintaining outlet temperature. Unit shall have 6061-T6 Aircraft Alloy cover. Element shall be replaceable cartridge insert. Unit shall have replaceable filter in the inlet connector. Element shall Nickel Chrome material. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.



Single Module



Dual Module



Triple Module



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



# ProAdvantage Series

Digital Temperature Control for Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

### Product Specifications

#### Single Module Models

PA004120T, PA008208T, PA005240T,  
PA007240T, PA010240T, PA012240T,  
PA008277T, PA010277T

**Dimensions:** 9.875" H x 5.3" W x 4" D

**Weight:** 4.5 lbs.

**Cover:** Aluminum Powder Coated

**Rated Pressure:** 25 PSI min.  
150 PSI max.

**Element:** Single replaceable heating  
cartridge insert

**Fittings:** 1/2" compression

**Temp Control:** Digital touchpad LED,  
range 100°F-140°

#### Dual Module Models

PA014240TC, PA016277TC,  
PA019240TC, PA020288TC,  
PA023240TC

**Dimensions:** 10.5" H x 11" W x 4.5" D

**Weight:** 10.5 lbs.

**Cover:** Aluminum Powder Coated

**Rated Pressure:** 25 PSI min.  
150 PSI max.

**Element:** Dual replaceable heating  
cartridge insert

**Fittings:** 3/4" NPT

**Temp Control:** Digital touchpad LED,  
range 100°F-140°F

#### Triple Module Models

PA018208T2T, PA024208T2T,  
PA018277T2T, PA024277T2T,  
PA032277T2T,

**SINGLE PHASE MODEL PA028240T2T**

**Dimensions:** 12.5" H x 15.5" W x  
4.5" D

**Weight:** 15 lbs.

**Cover:** Aluminum Powder Coated

**Rated Pressure:** 45 PSI min.  
150 PSI max.

**Element:** Triple replaceable heating  
cartridge insert

**Fittings:** 3/4" NPT

**Temp Control:** Digital touchpad LED,  
range 100°F-140°F

						TEMPERATURE RISE °F							
MODEL NUMBER		KW	AMPS	RECOMMENDED WIRE SIZE (CU)	MIN. FLOW (GPM)	MAX. FLOW (GPM)	0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM
SINGLE PHASE 120V – Approximate Weight 4.5 lbs.													
C	PA004120T	3.5	29A	10 AWG	0.3	2.5	48°	32°	24°	16°	16°	–	–
SINGLE PHASE 208V – Approximate Weight 4.5 lbs.													
C	PA008208T	8.3	40A	8 AWG	0.7	2.5	–	68°	51°	41°	34°	–	–
SINGLE PHASE 240V* – Approximate Weight 4.5 lbs.													
C	PA005240T	4.8	20A	10 AWG	0.5	2.5	66°	44°	33°	2°	6°	–	–
C	PA005240T (derated 208V performance)	3.6	17A	*	0.5	2.5	49°	33°	25°	16°	–	–	–
C	PA007240T	6.5	27A	10 AWG	0.7	2.5	–	59°	45°	30°	22°	–	–
C	PA007240T (derated 208V performance)	4.9	24A	*	0.7	2.5	66°	44°	33°	22°	–	–	–
C	PA010240T	9.5	40A	8 AWG	0.7	2.5	–	87°	65°	43°	33°	–	–
C	PA010240T (derated 208V performance)	7	34A	*	0.7	2.5	–	95°	64°	48°	32°	–	–
C	PA012240T	11.5	48A	6 AWG	0.7	2.5	–	+	79°	53°	39°	–	–
C	PA012240T (derated 208V performance)	8.7	42A	*	0.7	2.5	–	+	79°	59°	39°	–	–
SINGLE PHASE 240V* – Approximate Weight 10.5 lbs.													
C	PA014240TC	15	64(2x32)A	8 AWG	0.7	3.0	–	+	+	68°	51°	41°	34°
C	PA014240TC (derated 208V performance)	11.2	52(2x27)A	*	0.7	3.0	–	+	77°	51°	38°	31°	26°
C	PA019240TC	19	80(2x40)A	8 AWG	0.7	3.0	–	+	+	86°	65°	52°	43°
C	PA019240TC (derated 208V performance)	14	68(2x34)A	*	0.7	3.0	–	+	95	64	48	38°	32°
C	PA023240TC	23	96(2x48)A	6 AWG	0.7	3.0	–	+	+	+	79°	63°	53°
C	PA023240TC (derated 208V performance)	17.3	83(2x42)A	*	0.7	3.0	–	+	+	79°	59°	47°	39°
SINGLE PHASE 240V* – Approximate Weight 15 lbs.													
C	PA028240T2T	28.5	120(3x40)A	6 AWG	0.7	4.0	–	+	+	+	+	77°	64°
C	PA028240T2T (derated 208V performance)	20.9	100(3x33)A	*	0.7	4.0	–	+	+	+	+	57°	48°
SINGLE PHASE 277V – Approximate Weight 4.5 lbs.													
C	PA008277T	8	29A	10 AWG	0.7	2.5	–	73°	55°	37°	27°	–	–
C	PA010277T	10	36A	10 AWG	0.7	2.5	–	+	69°	46°	34°	–	–
SINGLE PHASE 277V – Approximate Weight 10.5 lbs.													
C	PA016277TC	16	58(2x29)A	10 AWG	0.7	3.0	–	+	+	74°	55°	44°	37°
C	PA020277TC	20	72(2x36)A	6 AWG	0.7	3.0	–	+	+	+	69°	55°	46°
THREE PHASE 208V/3 Ø* – Approximate Weight 15 lbs.													
C	PA018208T2T	18	50A/phase	6 AWG	0.7	4.0	–	+	+	82°	62°	49°	41°
C	PA024208T2T	24	67A/phase	6 AWG	0.7	4.0	–	+	+	+	82°	66°	55°
THREE PHASE 480V/277V†† – Approximate Weight 15 lbs.													
C	PA018277T2T	18	22A/phase	10 AWG	0.7	4.0	–	+	+	82°	62°	49°	41°
C	PA024277T2T	24	29A/phase	10 AWG	0.7	4.0	–	+	+	+	82°	66°	55°
C	PA032277T2T	32	39A/phase	6 AWG	0.7	4.0	–	+	+	+	+	88°	73°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

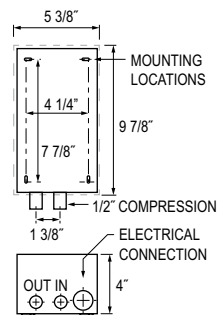
† Delta – No Neutral Leg

\*\* Wye – Neutral Leg Required

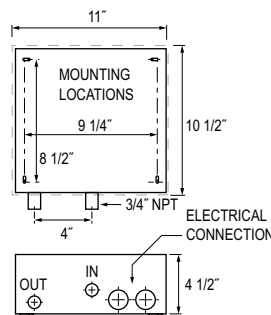
+ Temperature electrically limited to factory preset not-to-exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No.88.

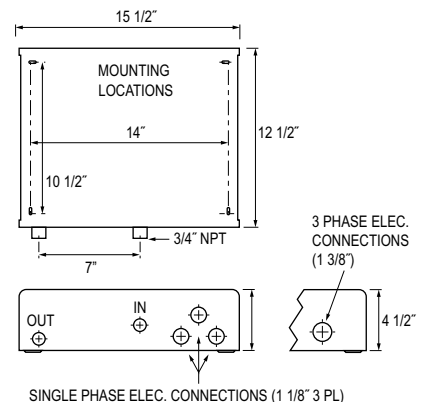
Single Module



Dual Module



Triple Module



# Series Two, Residential/Commercial “TC”

Staged models (Two heating modules) with thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Single or Multi fixture
- Residential showers
- Commercial/Industrial
- Photo processing
- Adjustable, precise temperature setting  $\pm 1^{\circ}\text{F}$  (ambient up to  $180^{\circ}\text{F}$ )
- Solar backup with FS option

### Performance Features

- Turns on in stages based on hot water demand  
Min. flow 0.7 GPM, max. flow 3 GPM (ML units turn on 0.3 GPM)
- On demand hot water
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss)
- Reduces calcification
- Two glass-fiber reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks and one (1) year on parts.  
Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch
- LEED credits available

### Optional Features

- Factory set ambient to  $180^{\circ}\text{F}$  (FS)
- Multi lavs 0.3 turn on. Staged up to 4 lavs  $105^{\circ}\text{F}$ - $110^{\circ}\text{F}$  temp setting (ML)
- Sanitation  $180^{\circ}\text{F}$  (S)
- N4, N4X (304SS) enclosures

### Product Specifications

<b>Dimensions</b>	10" x 10.5" x 3"
<b>Weight</b>	10.5 lbs.
<b>Cover</b>	Enameled steel
<b>Color</b>	White
<b>Element</b>	Dual replacement cartridge inserts Thermostatic control ( $\pm 1^{\circ}\text{F}$ ) accuracy
<b>Pipe-Fittings</b>	3/4" NPT fittings at bottom of unit.
<b>Operating Pressure</b>	Min. 40 PSI, max. 150 PSI
<b>UL Listing</b>	E 36887(M)

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Series Two model number EX\_\_\_\_\_.

Heater shall have two heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

___ <b>FS</b>	Factory set ambient to $180^{\circ}\text{F}$
___ <b>ML</b>	Multi lavs 0.3 turn on. Staged up to 4 lavs $105^{\circ}\text{F}$ - $110^{\circ}\text{F}$ temp setting
___ <b>S</b>	Sanitation $180^{\circ}\text{F}$
___ <b>N4</b>	NEMA 4 waterproof cabinet w/powder coat finish
___ <b>N4X</b>	NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Series Two, Residential/Commercial “TC”

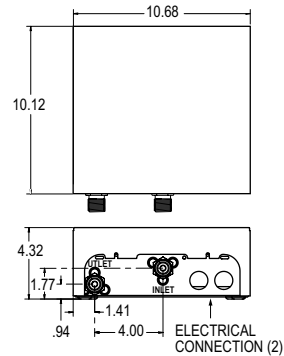
Staged models (Two heating modules) with thermostatic control

## Specifications

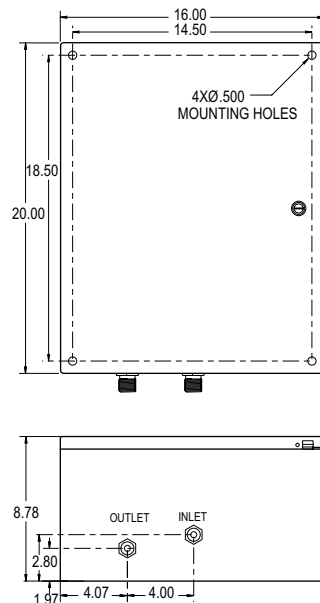
Electric Tankless Hot Water Heater

### Suffix Definitions

<b>FS</b>	Factory set ambient to 180°F
<b>ML</b>	Multi lvs 0.3 turn on. Staged up to 4 lvs 105°F-110°F temp setting
<b>S</b>	Sanitation 180°F



### NEMA 4/4X



					TEMPERATURE RISE °F				
MODEL NUMBER		KW	AMPS	RECOMMENDED WIRE SIZE (CU)	MIN. FLOW (GPM)	1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM
VOLTS 240*									
C	EX144TC	15kW	64(2x32)A	8 AWG per module	0.7	68°	51°	41°	34°
C	EX144TC (derated 208V performance)	11.2kW	54(2x27)A	*	0.7	51°	38°	31°	26°
C	EX144TC S	15kW	64(2x32)A	8 AWG per module	0.7	68°	51°	41°	34°
C	EX144TC ML	15kW	64(2x32)A	8 AWG per module	0.3	68°	51°	41°	34°
C	EX144TC FS	15kW	64(2x32)A	8 AWG per module	0.7	68°	51°	41°	34°
C	EX190TC	19kW	80(2x40)A	8 AWG per module	0.7	87°	65°	52°	43°
C	EX190TC (derated 208V performance)	14kW	68(2x34)A	*	0.7	64°	48°	38°	32°
C	EX190TC S	19kW	80(2x40)A	8 AWG per module	0.7	87°	65°	52°	43°
C	EX190TC FS	19kW	80(2x40)A	8 AWG per module	0.7	87°	65°	52°	43°
C	EX190TC ML	19kW	80(2x40)A	8 AWG per module	0.3	87°	65°	52°	43°
	EX023240TC	23kW	96(2x48)A	6 AWG per module	0.7	+	79°	62°	52°
	EX023240TC (derated 208V performance)	17.3kW	83(2x50)A	*	0.7	+	59°	47°	39°
	EX023240TC S	23kW	96(2x48)A	6 AWG per module	0.7	+	79°	62°	52°
	EX023240TC FS	23kW	96(2x48)A	6 AWG per module	0.7	+	79°	62°	52°
	EX023240TC ML	23kW	96(2x48)A	6 AWG per module	0.3	+	79°	62°	52°
VOLTS 208 Single Phase									
C	EX1608TC S	16.6kW	80(2x40)A	8 AWG per module	0.7	75°	57°	45°	38°
C	EX1608TC FS	16.6kW	80(2x40)A	8 AWG per module	0.7	75°	57°	45°	38°
C	EX1608TC ML	16.6kW	80(2x40)A	8 AWG per module	0.3	75°	57°	45°	38°
VOLTS 277									
	EX160TC	16kW	58(2x29)A	10 AWG per module	0.7	73°	55°	44°	36°
	EX160TC S	16kW	58(2x29)A	10 AWG per module	0.7	73°	55°	44°	36°
	EX160TC FS	16kW	58(2x29)A	10 AWG per module	0.7	73°	55°	44°	36°
	EX160TC ML	16kW	58(2x29)A	10 AWG per module	0.3	73°	55°	44°	36°
	EX200TC	20kW	72(2x36)A	8 AWG per module	0.7	+	68°	54°	46°
	EX200TC S	20kW	72(2x36)A	8 AWG per module	0.7	+	68°	54°	46°
	EX200TC FS	20kW	72(2x36)A	8 AWG per module	0.7	+	68°	54°	46°
	EX200TC ML	20kW	72(2x36)A	8 AWG per module	0.3	+	68°	54°	46°
CNL Models									
C	EX144TC CNL	15kW	64A	6 AWG	0.7	68°	51°	41°	34°
C	EX144TC S CNL	15kW	64A	6 AWG	0.7	68°	51°	41°	34°
C	EX144TC FS CNL	15kW	64A	6 AWG	0.7	68°	51°	41°	34°
C	EX144TC ML CNL	15kW	64A	6 AWG	0.3	68°	51°	41°	34°
C	EX190TC CNL	19kW	80A	4 AWG	0.7	87°	65°	52°	43°
C	EX190TC S CNL	19kW	80A	4 AWG	0.7	87°	65°	52°	43°
C	EX190TC FS CNL	19kW	80A	4 AWG	0.7	87°	65°	52°	43°
C	EX190TC ML CNL	19kW	80A	4 AWG	0.3	87°	65°	52°	43°
C	EX1608TC CNL	16.6kW	80A	4 AWG	0.7	75°	57°	45°	38°
C	EX1608TC S CNL	16.6kW	80A	4 AWG	0.7	75°	57°	45°	38°
C	EX1608TC FS CNL	16.6kW	80A	4 AWG	0.7	75°	57°	45°	38°
C	EX1608TC ML CNL	16.6kW	80A	4 AWG	0.3	75°	57°	45°	38°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electrically limited to factory preset not-to-exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88. CNL SKUs are Canada specific.

# Series Two, Commercial “T2”

Parallel models (Two heating modules) with thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Single high volume fixture
- Commercial dishwashers
- Booster (Solar backup)
- Commercial/Industrial
- Adjustable, precise temperature setting  $\pm 1^{\circ}\text{F}$  (ambient up to  $180^{\circ}\text{F}$ )

### Performance Features

- Parallel turn on. **Min. flow 1.5 GPM**, max. flow 4 GPM
- On demand hot water
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss)
- Meets ANSI Z358.1 tepid water requirement (EE option)
- Reduces calcification
- Two glass reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks, and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch
- LEED credits available

### Optional Features

- Emergency eye/face wash ANSI Z358.1 (EE)
- Factory set ambient to  $180^{\circ}\text{F}$  (FS)
- Sanitation  $180^{\circ}\text{F}$  (S)
- N4, N4X (304SS) enclosures

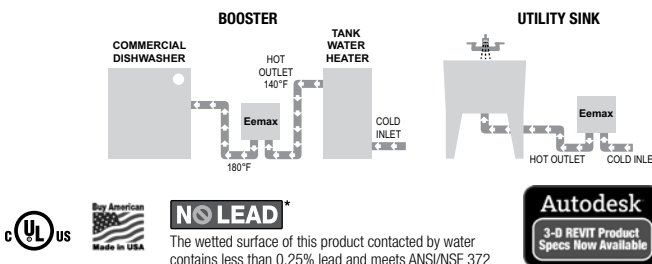
### Product Specifications

Dimensions	10" x 10.5" x 3"
Weight	10.5 lbs.
Cover	Enameled steel
Color	White
Element	Dual replacement cartridge inserts. Thermostatic control ( $\pm 1^{\circ}\text{F}$ ) accuracy
Pipe-Fittings	3/4" NPT fittings at bottom of unit.
Operating Pressure	Min. 40 PSI, max. 150 PSI
UL Listing	E 36887(M)

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



### Suggested Specification

Tankless water heater shall be an Eemax Series Two model number EX\_\_\_\_\_.

Heater shall have two heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

- \_\_\_\_\_ **EE** Emergency Eyewash. Meets ANSI tepid water requirements
- \_\_\_\_\_ **FS** Factory Set. Customer specified factory-set not to exceed temperature ambient to  $180^{\circ}\text{F}$
- \_\_\_\_\_ **S** Sanitation. Factory preset not to exceed temperature of  $180^{\circ}\text{F}$
- \_\_\_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Series Two, Commercial “T2”

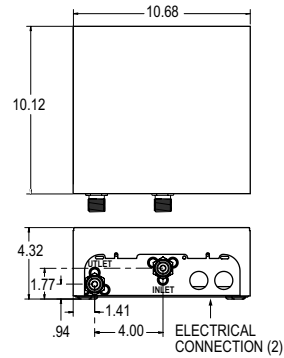
Parallel models (Two heating modules) with thermostatic control

## Specifications

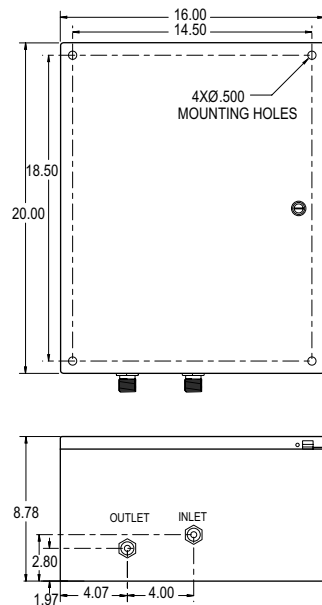
Electric Tankless Hot Water Heater

### Suffix Definitions

<b>EE</b>	Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
<b>FS</b>	Factory set ambient to 180°F
<b>S</b>	Sanitation 180°F



### NEMA 4/4X



				TEMPERATURE RISE °F					
MODEL NUMBER		KW	AMPS	RECOMMENDED WIRE SIZE (CU)	1.5 GPM	2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM
VOLTS 240*									
C	EX144T2	15kW	64(2x32)A	8 AWG per module	68°	51°	41°	34°	25°
	EX144T2 (derated 208V performance)	11.2KW	54(2x27)A	*	51°	38°	31°	26°	19°
C	EX144T2 EE	15kW	64(2x32)A	8 AWG per module	68°	51°	41°	34°	25°
C	EX144T2 FS	15kW	64(2x32)A	8 AWG per module	68°	51°	41°	34°	25°
C	EX144T2 S	15kW	64(2x32)A	8 AWG per module	68°	51°	41°	34°	25°
C	EX190T2	19kW	80(2x40)A	8 AWG per module	+	65°	52°	43°	32°
	EX190T2 (derated 208V performance)	14KW	68(2x34)A	*	64	48	38	32	24
C	EX190T2 EE	19kW	80(2x40)A	8 AWG per module	+	65°	52°	43°	32°
C	EX190T2 FS	19kW	80(2x40)A	8 AWG per module	+	65°	52°	43°	32°
C	EX190T2 S	19kW	80(2x40)A	8 AWG per module	+	65°	52°	43°	32°
	EX022340T2	23kW	96(2x48)A	6 AWG per module	+	79°	62°	52°	39°
	EX022340T2 (derated 208V performance)	17.3KW	83(2x42)A	*	79°	59°	47°	39°	29°
	EX022340T2 EE	23kW	96(2x48)A	6 AWG per module	+	79°	62°	52°	39°
	EX022340T2 FS	23kW	96(2x48)A	6 AWG per module	+	79°	62°	52°	39°
	EX022340T2 S	23kW	96(2x48)A	6 AWG per module	+	79°	62°	52°	39°
VOLTS 208 Single Phase									
C	EX1608T2	16.6kW	80(2x40)A	8 AWG per module	75°	57°	45°	38°	28°
C	EX1608T2 EE	16.6kW	80(2x40)A	8 AWG per module	75°	57°	45°	38°	28°
C	EX1608T2 FS	16.6kW	80(2x40)A	8 AWG per module	75°	57°	45°	38°	28°
C	EX1608T2 S	16.6kW	80(2x40)A	8 AWG per module	75°	57°	45°	38°	28°
VOLTS 277									
	EX160T2	16kW	58(2x29)A	10 AWG per module	73°	55°	44°	36°	27°
	EX160T2 EE	16kW	58(2x29)A	10 AWG per module	73°	55°	44°	36°	27°
	EX160T2 FS	16kW	58(2x29)A	10 AWG per module	73°	55°	44°	36°	27°
	EX160T2 S	16kW	58(2x29)A	10 AWG per module	73°	55°	44°	36°	27°
	EX200T2	20kW	72(2x36)A	8 AWG per module	+	68°	54°	46°	34°
	EX200T2 EE	20kW	72(2x36)A	8 AWG per module	+	68°	54°	46°	34°
	EX200T2 FS	20kW	72(2x36)A	8 AWG per module	+	68°	54°	46°	34°
	EX200T2 S	20kW	72(2x36)A	8 AWG per module	+	68°	54°	46°	34°
CNL Models									
C	EX144T2 CNL	15kW	64 A	6 AWG	68°	51°	41°	34°	25°
C	EX144T2 EE CNL	15kW	64 A	6 AWG	68°	51°	41°	34°	25°
C	EX144T2 FS CNL	15kW	64 A	6 AWG	68°	51°	41°	34°	25°
C	EX144T2 S CNL	15kW	64 A	6 AWG	68°	51°	41°	34°	25°
C	EX190T2 CNL	19kW	80 A	4 AWG	+	65°	52°	43°	32°
C	EX190T2 EE CNL	19kW	80 A	4 AWG	+	65°	52°	43°	32°
C	EX190T2 FS CNL	19kW	80 A	4 AWG	+	65°	52°	43°	32°
C	EX190T2 S CNL	19kW	80 A	4 AWG	+	65°	52°	43°	32°
C	EX1608T2 CNL	16.6kW	80 A	4 AWG	75°	57°	45°	38°	28°
C	EX1608T2 EE CNL	16.6kW	80 A	4 AWG	75°	57°	45°	38°	28°
C	EX1608T2 FS CNL	16.6kW	80 A	4 AWG	75°	57°	45°	38°	28°
C	EX1608T2 S CNL	16.6kW	80 A	4 AWG	75°	57°	45°	38°	28°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electrically limited to factory preset not-to-exceed temperature.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88. CNL SKUs are Canada specific.



# Series Three, Residential/Commercial

Staged or parallel models (Three heating modules) thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Whole house, multi fixture 4 GPM unit has capacity to handle up to two showers at a time
- Jetted bathtub booster (T3 option)

### Performance Features

- On demand hot water. Cuts energy waste. No stand-by heat loss. 99% efficiency rating
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Regulates power to required flow
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. Requires only one cold water input line, no solder connections. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Reduces calcification and sedimentation
- Three glass-fiber reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks and one (1) year on parts. Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch
- LEED credits available

### Optional Features

- T2T – Staged heating elements. Turn on min. flow 0.7 GPM, max. flow 4 GPM (ML units – 0.3 GPM turn on)
- T3 – Parallel heating elements. **Turn on min. flow 1.8 GPM, max. flow 5 GPM.** Recommended for commercial uses only
- Factory set ambient to 180° (FS)
- Multi lavs. Staged up to 4 lavs 105°F-110°F temp setting, 0.3 GPM turn on, aerators supplied (ML)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

### Product Specifications

<b>Dimensions</b>	15 1/4" x 12 1/4" x 4 1/4"
<b>Weight</b>	15 lbs
<b>Operating Pressure</b>	Min. 45 PSI, max. 150 PSI
<b>Cover</b>	Enameled Steel
<b>Color</b>	White
<b>Element</b>	Triple replaceable cartridge inserts. Thermostatic control (+/-1°F) accuracy
<b>Pipe Fitting</b>	3/4" NPT at bottom of unit. (5/8" OD) or 3/4" NPT Adapter
<b>UL listed</b>	E86887(M)

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax Series Three model number EX280\_\_\_\_\_.

Heater shall have three heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.

NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

_____ <b>T2T</b>	Staged heating elements
_____ <b>T3</b>	Parallel heating elements
_____ <b>FS</b>	Factory set ambient to 180°F
_____ <b>ML</b>	Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting
_____ <b>S</b>	Sanitation 180°F
_____ <b>N4</b>	NEMA 4 waterproof cabinet w/powder coat finish
_____ <b>N4X</b>	NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Series Three Residential/Commercial

For Commercial and Industrial Applications

## Specifications

Electric Tankless Hot Water Heater

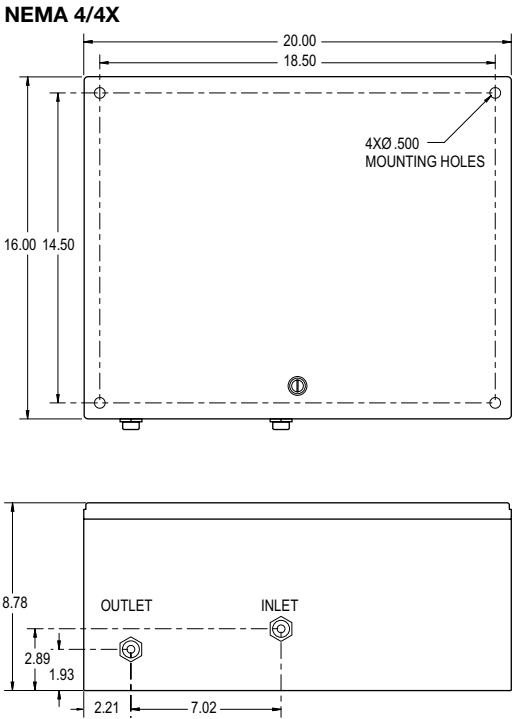
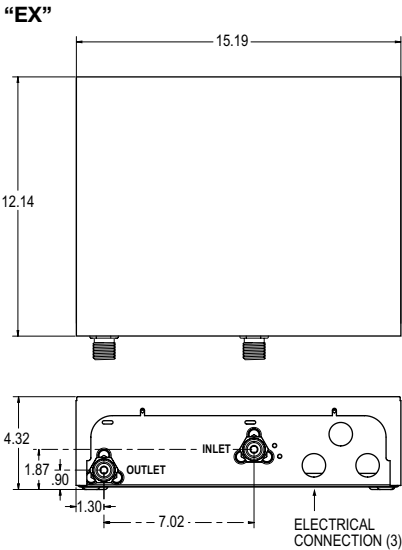
### Suffix Definitions

<b>T2T</b>	Staged heating elements
<b>T3</b>	Parallel heating elements
<b>EE</b>	Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
<b>FS</b>	Factory set ambient to 180°F
<b>ML</b>	Multi lavs 0.3 turn on. Staged up to 6 lavs 105°F-110°F temp setting
<b>S</b>	Sanitation 180°F

				TEMPERATURE RISE °F				
MODEL NUMBER		KW	AMPS	RECOMMENDED WIRE SIZE (CU)	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM T3 ONLY
VOLTS 240*								
C	EX280T2T	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	—
C	EX280T2T (derated 208V performance)	20.9	100(3X33)A	*	57°	48°	36°	—
C	EX280T2T ML	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	—
C	EX280T2T FS	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	—
C	EX280T2T S	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	—
C	EX280T3	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	38°
C	EX280T3 (derated 208V performance)	20.9	100(3X33)A	*	57°	48°	36°	49°
C	EX280T3 S	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	38°
C	EX280T3 FS	28.5	120(3X40)A	8 AWG per module	76°	65°	49°	38°
CNL Models								
C	EX280T2T CNL	28.5	120 A	1 AWG	76°	65°	49°	—
C	EX280T2T ML CNL	28.5	120 A	1 AWG	76°	65°	49°	—
C	EX280T2T FS CNL	28.5	120 A	1 AWG	76°	65°	49°	—
C	EX280T2T S CNL	28.5	120 A	1 AWG	76°	65°	49°	—
C	EX280T3 CNL	28.5	120 A	1 AWG	76°	65°	49°	38°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88. CNL SKUs are Canada specific.



# Series Four, Residential/Commercial

Staged or parallel models (Four heating modules) thermostatic control

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Whole house unit has capacity to handle up to three showers at a time
- Multi fixture, 6 GPM max.

### Performance Features

- On demand hot water. Cuts energy waste. No stand-by heat loss. 99% efficiency rating
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Regulates power to required flow
- Continuous hot water. No storage capacity to run out
- Reduces installation cost and material. Requires only one cold water input line, no solder connections. No T&P relief valve needed (check local codes) or venting
- Easy installation with integral 3/4" NPT fittings
- Reduces calcification and sedimentation
- Four glass-fiber reinforced heater bodies and Ni Chrome elements – a unique, patented flow path ensures optimum heat transfer and extended element life
- Warranty – Five (5) years leaks and one (1) year on parts  
Field serviceable replaceable cartridge element, one (1) year
- Unit mounts on wall
- High temperature limit switch
- LEED credits available

### Optional Features

- T2T2 – Staged heating elements. Turn on min. flow 0.9 GPM, max. flow 6 GPM
- T4 – Parallel heating elements. Turn on min. flow 1.8 GPM, max. flow 8 GPM. Recommended for commercial uses only
- Factory set ambient to 180°F (FS)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

### Specifications

<b>Dimensions</b>	20 3/16" x 12 1/8" x 4 1/8"
<b>Weight</b>	23 lbs.
<b>Operating Pressure</b>	45 PSI, max. 150 PSI
<b>Cover</b>	Enameled Steel
<b>Color</b>	White
<b>Element</b>	Four replaceable cartridge inserts Thermostatic control (+/-1F°) accuracy
<b>Pipe Fitting</b>	3/4" NPT
<b>UL listed</b>	E86887(M)

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Suggested Specification

Tankless water heater shall be an Eemax "Series Four" model number EX380\_\_\_\_\_.

Heater shall have four heating modules. Element shall be replaceable cartridge insert. Unit shall have a replaceable filter in the inlet connector. Heater shall be fitted with 3/4" NPT water connections. Maximum operating pressure of 150 PSI. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal.  
NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

- \_\_\_ **T2T2** Staged heating elements
- \_\_\_ **T4** Parallel heating elements
- \_\_\_ **FS** Factory set ambient to 180°F
- \_\_\_ **S** Sanitation 180°F
- \_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Series Four, Residential/Commercial

Staged or parallel models (Four heating modules) thermostatic control

## Specifications

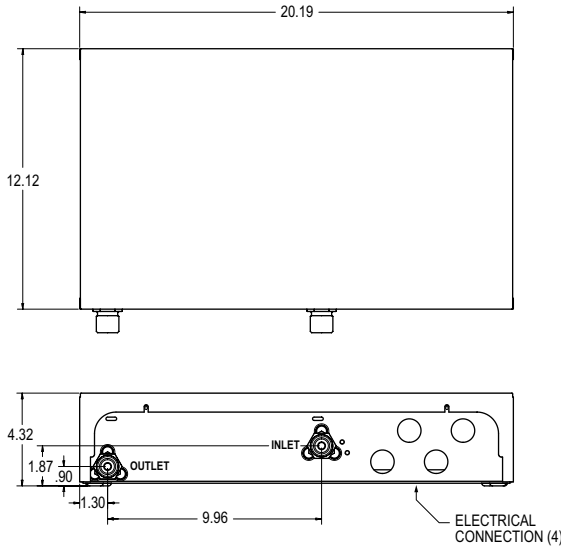
Electric Tankless Hot Water Heater

### Suffix Definitions

- T2T2** Staged heating elements
- T4** Parallel heating Elements
- FS** Factory set ambient to 180°F
- S** Sanitation 180°F

MODEL NUMBER				TEMPERATURE RISE °F						
				2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM	6.0 GPM	8.0 GPM	
VOLTS 240*										
C	EX380T2T2	38kW	160(4x40)A	8 AWG per module	+	86°	65°	52°	43°	–
	EX380T2T2 (derated 208V performance)	27.9	134(4x33)A	*	76°	64°	48°	38°	32°	24°
C	EX380T2T2 FS	38kW	160(4x40)A	8 AWG per module	+	86°	65°	52°	43°	–
C	EX380T2T2 S	38kW	160(4x40)A	8 AWG per module	+	86°	65°	52°	43°	–
C	EX380T4	38kW	160(4x40)A	8 AWG per module	+	86°	65°	52°	43°	32°
C	EX380T4 (derated 208V performance)	27.9	134(4x33)A	*	76°	64°	48°	38°	32°	24°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.  
+ Temperature electrically limited to factory preset not-to-exceed temperature.  
"C" indicates evaluation and compliance to either Underwriters Laboratories (UL) or Intertek (ETL) under CAN/CSA-C22.2 No. 64/No. 88.



# Three Phase Series

Triple module, commercial/industrial thermostatic 3-phase heater

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Eye/face wash
- Where tepid water is needed
- Multiple lavatories
- Restaurants and other food service requirements
- Booster applications
- Manufacturing and wash down processes
- Commercial and industrial

### Performance Features

- Hot or cold water feed
- Available electrical models are 480V Delta (ED models) or 208V Delta (EX models) no neutral leg required
- Fitted with 1/2" compression fittings and electrical entry on the bottom
- Built in over temp protection
- Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save water – "Point of use application"
- Continuous hot water – no storage capacity to run out
- Factory set temperature available. Range ambient to 180°F
- Capacity to 5 GPM (T3 only), 4 GPM (T2T)
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Reduces calcification, liming and sedimentation
- Warranty – Five (5) years leaks and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year

### Optional Features

- Emergency eye/face wash ANSI Z358.1 (EE)
- Factory set ambient to 180°F (FS)
- Multi lvs 0.3 turn on. Staged up to 4 lvs 105°F-110°F temp setting, aerators supplied (ML)
- Sanitation 180°F (S)
- N4, N4X (304SS) enclosures

### Product Specifications:

<b>Dimensions</b>	15 1/4" x 12 1/4" x 4 1/4"
<b>Weight</b>	15 lbs.
<b>Cover</b>	Powder Coated Steel
<b>Color</b>	White
<b>Element</b>	Triple replaceable Ni Chrome cartridge elements insert
<b>Fittings</b>	1/2" compression fittings at BOTTOM of unit
<b>Pressure</b>	Min. 25 PSI, max. 150 PSI

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

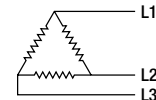
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

### Eemax 600v, 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



### Suggested Specification

Tankless water heater shall be an Eemax "Three Phase" model number \_\_\_\_\_.

Element shall be replaceable cartridge insert. Element shall be iron free, Nickel Chrome material. Heater shall be fitted with 1/2" compression fittings. Heater shall be installed upright with water connections on bottom. Hot water storage tanks prohibited. Unit shall be Eemax or approved equal. NOTE: Refer to rating chart for product information.

Enclosure to be fitted with the following features:

- \_\_\_ **EE** Emergency Eyewash. Meets ANSI tepid water requirements
- \_\_\_ **FS** Factory Set. Customer specified factory-set not to exceed temperature ambient to 180°F
- \_\_\_ **ML** Multi lvs 0.3 turn on, staged up to 4 lvs 105°F-110°F temp setting, aerators supplied
- \_\_\_ **S** Sanitation. Factory preset not to exceed temperature of 180°F
- \_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet

# Three Phase Series

Triple module, commercial/industrial thermostatic 3-phase heater

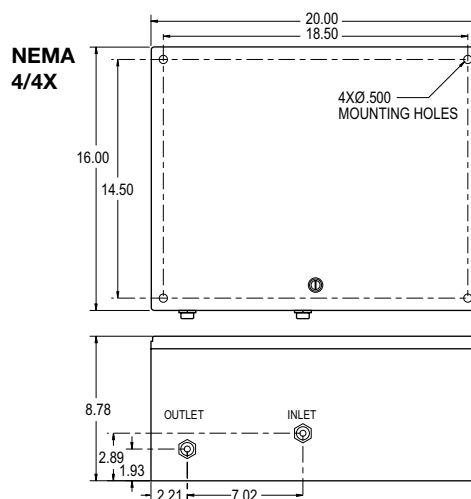
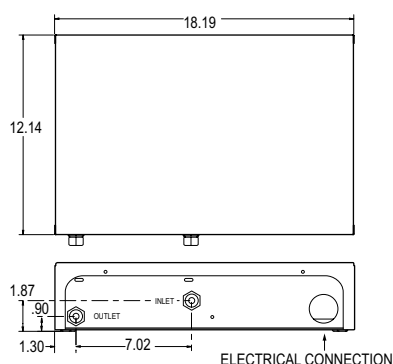
## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

<b>EE</b>	Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
<b>FS</b>	Factory set ambient to 180°F
<b>ML</b>	Multi lavs 0.3 turn on. Staged up to 4 lavs 105°F-110°F temp setting
<b>S</b>	Sanitation 180°F

MODEL NUMBER	kW	AMPS PER PHASE	TURN-ON (GPM)	RECOMMENDED WIRE SIZE (CU)	TEMPERATURE RISE °F				
					2.0 GPM	2.5 GPM	3.0 GPM	4.0 GPM	5.0 GPM
VOLTS 208v/3 Ø									
EX180T2T	18kW	50A/phase	0.7	6 AWG	61°	49°	41°	32°	–
EX180T2T EE	18kW	50A/phase	0.7	6 AWG	61°	49°	41°	32°	–
EX180T2T S	18kW	50A/phase	0.7	6 AWG	61°	49°	41°	32°	–
EX180T2T ML	18kW	50A/phase	0.3	6 AWG	61°	49°	41°	32°	–
EX180T2T FS	18kW	50A/phase	0.7	6 AWG	61°	49°	41°	32°	–
EX180T3	18kW	50A/phase	1.8	6 AWG	61°	49°	41°	32°	25°
EX180T3 EE	18kW	50A/phase	1.8	6 AWG	61°	49°	41°	32°	25°
EX180T3 S	18kW	50A/phase	1.8	6 AWG	61°	49°	41°	32°	25°
EX180T3 FS	18kW	50A/phase	1.8	6 AWG	61°	49°	41°	32°	25°
EX240T2T	24kW	67A/phase	0.7	6 AWG	82°	66°	55°	43°	–
EX240T2T EE	24kW	67A/phase	0.7	6 AWG	82°	66°	55°	43°	–
EX240T2T S	24kW	67A/phase	0.7	6 AWG	82°	66°	55°	43°	–
EX240T2T ML	24kW	67A/phase	0.3	6 AWG	82°	66°	55°	43°	–
EX240T2T FS	24kW	67A/phase	0.7	6 AWG	82°	66°	55°	43°	–
EX240T3	24kW	67A/phase	1.8	6 AWG	82°	66°	55°	43°	34°
EX240T3 EE	24kW	67A/phase	1.8	6 AWG	82°	66°	55°	43°	34°
EX240T3 S	24kW	67A/phase	1.8	6 AWG	82°	66°	55°	43°	34°
EX240T3 FS	24kW	67A/phase	1.8	6 AWG	82°	66°	55°	43°	34°
VOLTS 480v Delta									
ED020480T2T	20kW	24A/phase	0.7	10 AWG	68°	55°	46°	34°	–
ED020480T2T S	20kW	24A/phase	0.7	10 AWG	68°	55°	46°	34°	–
ED020480T2T ML	20kW	24A/phase	0.3	10 AWG	68°	55°	46°	34°	–
ED020480T2T FS	20kW	24A/phase	0.7	10 AWG	68°	55°	46°	34°	–
ED020480T3	20kW	24A/phase	1.8	10 AWG	68°	55°	46°	34°	27°
ED020480T3 EE	20kW	24A/phase	1.8	10 AWG	68°	55°	46°	34°	27°
ED020480T3 S	20kW	24A/phase	1.8	10 AWG	68°	55°	46°	34°	27°
ED024480T2T	24kW	29A/phase	0.7	10 AWG	82°	66°	55°	41°	–
ED024480T2T S	24kW	29A/phase	0.7	10 AWG	82°	66°	55°	41°	–
ED024480T2T ML	24kW	29A/phase	0.3	10 AWG	82°	66°	55°	41°	–
ED024480T2T FS	24kW	29A/phase	0.7	10 AWG	82°	66°	55°	41°	–
ED024480T3	24kW	29A/phase	1.8	10 AWG	82°	66°	55°	41°	33°
ED024480T3 EE	24kW	29A/phase	1.8	10 AWG	82°	66°	55°	41°	33°
ED024480T3 S	24kW	29A/phase	1.8	10 AWG	82°	66°	55°	41°	33°
ED032480T2T	32kW	38A/phase	0.7	6AWG	109°	87°	73°	55°	–
ED032480T2T S	32kW	38A/phase	0.7	6AWG	109°	87°	73°	55°	–
ED032480T2T ML	32kW	38A/phase	0.3	6AWG	109°	87°	73°	55°	–
ED032480T2T FS	32kW	38A/phase	0.7	6AWG	109°	87°	73°	55°	–
ED032480T3	32kW	38A/phase	1.8	10 AWG	109°	87°	73°	55°	43°
ED032480T3 EE	32kW	38A/phase	1.8	10 AWG	109°	87°	73°	55°	43°
ED032480T3 S	32kW	38A/phase	1.8	10 AWG	109°	87°	73°	55°	43°
ED032480T3 FS	32kW	38A/phase	1.8	10 AWG	109°	87°	73°	55°	43°





# De-Ionized, Single Module

Stainless steel and engineered plastics for all wetted components

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Microchip manufacturing
- Pharmaceutical production
- High tolerance component cleaning
- Ultrasonic cleaning
- Spray rinse tank
- Batch chemical mixing

### Performance Features

- Hot or cold water feed.
- Capable of heating high purity water with state of the art materials used in construction, rated for purity levels up to 18 MEG OHM
- Proven by independent analytical laboratory to maintain water purity. Test results available upon request
- Compact size allows for easy installation close to the point-of-use
- Thermostatic temperature control available with highly accurate micro processor to deliver  $\pm 1^{\circ}\text{F}$  outlet accuracy
- Eliminate deadlegs. Unique flow activated design allows for constant water movement, even when not heating
- Easy installation

### Product Specifications

Dimensions	10 3/4"H x 5 1/4"W x 2 7/8"D
Weight:	Approximately 4 lbs.
Fittings	1/2" compression
Temp Accuracy	$\pm 1^{\circ}$ outlet accuracy

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

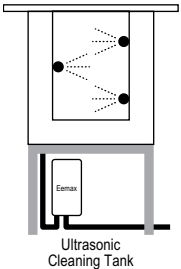
### Suggested Specification

Tankless water heater shall be an Eemax De-Ionized model number EX\_\_\_\_\_.

Enclosure to be fitted with the following features:

Heating element shall be replaceable element cartridge. Unit shall be capable of heating water up to 18 MEG OHM quality or approved equal.

- \_\_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372

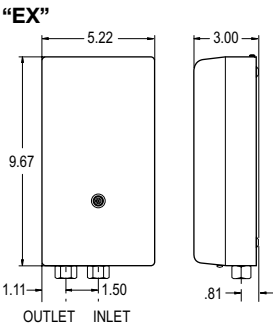


# De-Ionized, Single Module

Stainless steel and engineered plastics for all wetted components

## Specifications

Electric Tankless Hot Water Heater



				TEMPERATURE RISE °F					
MODEL NUMBER		KW	AMPS	RECOMMENDED WIRE SIZE (CU)	0.5 GPM	0.75 GPM	1.0 GPM	1.5 GPM	2.0 GPM
VOLTS 120									
C	EX2412T DI	2.4kW	20A	10 AWG	33°	22°	16°	11°	8°
C	EX3012T DI	3.0kW	25A	10 AWG	41°	27°	20°	14°	10°
C	EX3512T DI	3.5kW	29A	10 AWG	48°	32°	24°	16°	12°
VOLTS 240*									
C	EX35T DI	3.5kW	15A	14 AWG	48°	32°	24°	16°	12°
C	EX48T DI	4.8kW	20A	12 AWG	64°	42°	31°	21°	16°
C	EX55T DI	5.5kW	23A	10 AWG	75°	50°	38°	25°	19°
C	EX65T DI	6.5kW	27A	10 AWG	—	59°	44°	30°	22°
C	EX75T DI	7.5kW	32A	8 AWG	—	68°	51°	34°	26°
C	EX95T DI	9.5kW	40A	8 AWG	—	87°	65°	43°	32°
VOLTS 208 Single Phase									
C	EX8208T DI	8.3kW	40A	8 AWG	—	76°	57°	38°	28°
VOLTS 277									
	EX3277T DI	3.0kW	11A	14 AWG	41°	27°	20°	14°	10°
	EX4277T DI	4.1kW	15A	14 AWG	56°	37°	28°	18°	14°
	EX60T DI	6.0kW	22A	10 AWG	—	55°	41°	27°	20°
	EX80T DI	8.0kW	29A	10 AWG	—	73°	55°	36°	27°
	EX90T DI	9.0kW	33A	8 AWG	—	82°	61°	41°	31°
	EX100T DI	10.0kW	36A	8 AWG	—	91°	68°	46°	34°

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.  
"C" indicates evaluation and compliance to Underwriters Laboratories (UL) under CAN/CSA-C22.2 No. 64/No. 88.

# De-Ionized, Dual Module

Stainless steel and engineered plastics for all wetted components

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Microchip manufacturing
- Pharmaceutical production
- High tolerance component cleaning
- Ultrasonic cleaning
- Spray rinse tank
- Batch chemical mixing

### Quality Features

- Hot or cold water feed
- Capable of heating high purity water with state of the art materials used in construction, rated for purity levels up to 18 MEG OHM
- Proven by independent analytical laboratory to maintain water purity. Test results available upon request
- Compact size allows for easy installation close to the point-of-use
- Thermostatic temperature control available with highly accurate micro processor to deliver  $\pm 1^{\circ}\text{F}$  outlet accuracy
- Eliminate deadlegs. Unique flow activated design allows for constant water movement, even when not heating
- Easy installation

### Product Specifications

Dimensions	10 3/4"H x 5 1/4"W x 2 7/8"D
Weight:	Approximately 10 lbs.
Fittings	1/2" compression
Temp Accuracy	$\pm 1^{\circ}$ outlet accuracy

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Tankless water heater shall be an Eemax De-Ionized model number EX\_\_\_\_\_.

Heating element shall be replaceable element cartridge. Unit shall be capable of heating water up to 18 MEG OHM quality or approved equal.

Enclosure to be fitted with the following features:

- \_\_\_\_\_ **TC** Staged turn on 0.7 GPM, max. flow 3 GPM
- \_\_\_\_\_ **T2** Parallel turn on 1.5 GPM, max. flow 4 GPM
- \_\_\_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



# De-Ionized, Dual Module

Stainless steel and engineered plastics for all wetted components

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

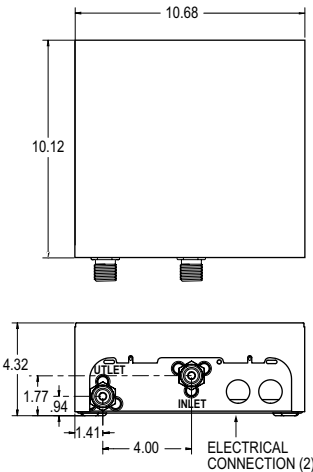
- TC** Staged heating elements  
**T2** Parallel heating elements

				TEMPERATURE RISE °F					
MODEL NUMBER		kW	AMPS	RECOMMENDED WIRE SIZE (CU)	1.0 GPM	1.5 GPM	2.0 GPM	3.0 GPM	4.0 GPM T2 ONLY
VOLTS 240*									
C	EX144T2 DI	15kW	64(2x32)A	8 AWG	-	65°	51°	34°	26°
C	EX144TC DI	15kW	64(2x32)A	8 AWG	+	65°	51°	34°	—
C	EX190T2 DI	19kW	80(2x40)A	8 AWG	-	87°	65°	43°	32°
C	EX190TC DI	19kW	80(2x40)A	8 AWG	+	87°	65°	43°	—
	EX280T2T DI	28.5kW	120(3x40)A	8 AWG	+	+	+	64°	48°
VOLTS 208 Single Phase									
C	EX1608T2 DI	16.6kW	80(2x40)A	8 AWG	-	75°	57°	38°	28°
C	EX1608TC DI	16.6kW	80(2x40)A	8 AWG	+	75°	57°	38°	—
VOLTS 277									
	EX160T2 DI	16kW	58(2x29)A	10 AWG	-	73°	55°	36°	27°
	EX160TC DI	16kW	58(2x29)A	10 AWG	+	73°	55°	36°	—
	EX200TC DI	20kW	72(2x36)A	8 AWG	+	91°	68°	46°	—

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.

+ Temperature electrically limited to factory preset not-to-exceed temperature.

\*C\* indicates evaluation and compliance to Underwriters Laboratories (UL) under CAN/CSA-C22.2 No. 64/No. 88.



# De-Ionized, Triple Module

Three phase – 18kW to 32kW and single phase 28kW

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Microchip manufacturing
- Pharmaceutical production
- High tolerance component cleaning
- Ultrasonic cleaning
- Spray rinse tank
- Batch chemical mixing

### Quality Features

- Hot or cold water feed
- Capable of heating high purity water with state of the art materials used in construction, rated for purity levels up to 18 MEG OHM
- Proven by independent analytical laboratory to maintain water purity. Test results available upon request
- Compact size allows for easy installation close to the point-of-use
- Thermostatic temperature control available with highly accurate micro processor to deliver  $\pm 1^{\circ}\text{F}$  outlet accuracy
- Eliminate deadlegs. Unique flow activated design allows for constant water movement, even when not heating
- Easy installation

### Product Specifications

<b>Dimensions</b>	10 3/4"H x 5 1/4"W x 2 7/8"D
<b>Weight:</b>	Approximately 15 lbs.
<b>Fittings</b>	1/2" compression
<b>Temp Accuracy</b>	$\pm 1^{\circ}$ outlet accuracy

### Special Design Service

Inquiries for units for unique applications are welcome. Call our Technical Service department at **1-800-543-6163**.

### Suggested Specification

Tankless water heater shall be an Eemax De-Ionized model number EX\_\_\_\_\_.

Heating element shall be replaceable element cartridge. Unit shall be capable of heating water up to 18 MEG OHM quality or approved equal.

Enclosure to be fitted with the following features:

- \_\_\_\_\_ **T2T** Staged turn on 0.7 GPM, max. flow 4 GPM
- \_\_\_\_\_ **T3** Parallel turn on 1.8 GPM, max. flow 5 GPM
- \_\_\_\_\_ **N4** NEMA 4 waterproof cabinet w/powder coat finish
- \_\_\_\_\_ **N4X** NEMA 4 stainless steel waterproof corrosion-resistant cabinet



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372

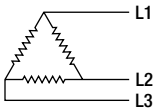


### Electrical configuration and requirements

All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

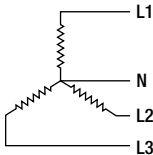
#### Eemax 208v Three Phase Units Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



#### Eemax 480Y/277 Three Phase Units Star Configuration

Requires: 3 Lives, 1 Neutral and 1 Ground (earth)



# De-Ionized, Triple Module

Triple module, commercial/industrial thermostatic 3-phase heater

## Specifications

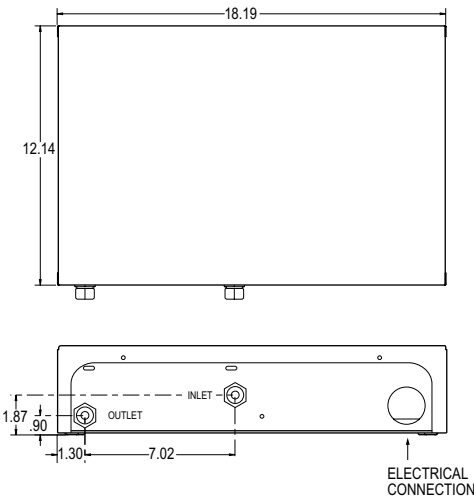
Electric Tankless Hot Water Heater

### Suffix Definitions

- T2T** Staged heating elements  
**T3** Parallel heating elements

MODEL NUMBER	kW	AMPS PER PHASE	RECOMMENDED WIRE SIZE (CU)	TEMPERATURE RISE °F			
				2.0 GPM	3.0 GPM	4.0 GPM	5.0 GPM T3 ONLY
VOLTAGE - 208V/3 Ø Delta-no neutral leg							
EX180T2T DI	18kW	50A/phase	6 AWG	61°	41°	31°	–
EX180T3 DI	18kW	50A/phase	6 AWG	61°	41°	31°	25°
EX240T2T DI	24kW	67A/phase	6 AWG	82°	55°	41°	–
EX240T3 DI	24kW	67A/phase	6 AWG	82°	55°	41°	33°
VOLTAGE - 240V Single Phase*							
EX280T2T DI	28.5kW	120(3x40)A	8 AWG	+	64°	48°	–
VOLTAGE - 480Y/277V Neutral leg required							
EX180T2T-277 DI	18kW	22A/phase	10 AWG	61°	41°	31°	–
EX240T2T-277 DI	24kW	29A/phase	10 AWG	82°	55°	41°	–
EX240T3-277 DI	24kW	29A/phase	10 AWG	82°	55°	41°	33°
EX320T2T-277 DI	32kW	39A/phase	8 AWG	+	73°	55°	–
EX320T3-277 DI	32kW	39A/phase	8 AWG	+	73°	55°	44°
VOLTAGE - 480V Delta							
ED020480T2T DI	20kW	24A/phase	10AWG	68°	46°	34°	–
ED024480T2T DI	24kW	29A/phase	10AWG	82°	55°	41°	–
ED032480T2T DI	32kW	38A/phase	6AWG	109°	73°	55°	–

\* 240V units can be used on 208V single phase with 25% reduced temperature output. Please note per UL standards the rating plate and installation instructions will all be according to a 240V applied voltage. Check with local officials prior to derating the electrical infrastructure.  
+ Temperature electrically limited to factory preset not-to-exceed temperature.





# Series Six Commercial

Six module, commercial/industrial for emergency eye/face applications

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Commercial/Industrial
- Eye/Face combo "Tepid" Water option (EF) Meets ANSI Z358.1 "Tepid" Water Requirements for Emergency Eye/Face wash range of (65°-90°F)
- Boosters applications to 180°F (S option)

### Performance Features

- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save water – "Point of use application"
- Continuous hot water – no storage capacity to run out
- Factory set temperature available. Range ambient to 180°F
- Capacity to 12 GPM (T6 only), 6 GPM (T24T)
- Meets ANSI Z358.1 Tepid Water Requirements (EE)
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Reduces calcification, liming and sedimentation
- Warranty – Five (5) years leaks and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year

### Optional Features

- Emergency eye/face wash. Meets ANSI tepid water requirements
- Staged heating elements. Turn on min. flow 1 GPM, max. flow 6 GPM. Sign off required
- Parallel heating elements. Turn on min. flow 3.5 GPM, max. flow 12 GPM. Sign off required
- Factory set ambient to 180°
- Sanitation 180°F°
- N4, N4X (304SS) enclosures

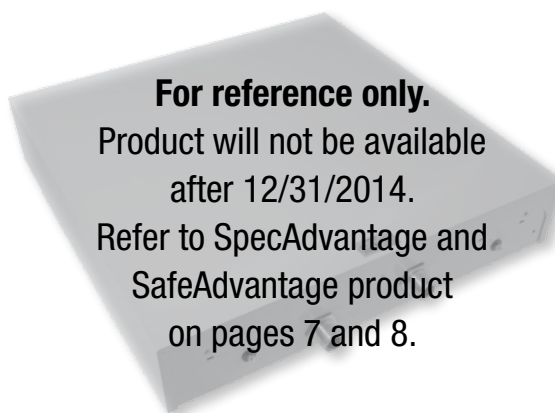
### Product Specifications

<b>Dimensions</b>	32 3/32" H x 20 3/32" W x 6 3/32" D
<b>Weight</b>	42 lbs.
<b>Cover</b>	Powder Coated Steel
<b>Color</b>	Yellow
<b>Element</b>	Six replaceable cartridge elements plus two spares
<b>Fittings</b>	1" NPT fittings at BOTTOM of unit
<b>Pressure</b>	Min. 40 PSI, max. 150 PSI
<b>UL Listed</b>	E86887(m)

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

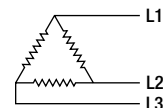
All Eemax three phase units are custom made to order and as such, are non-returnable and non-refundable. We urge you, therefore, to check your electrical supply, making sure all criteria for operating your Eemax water heater are met.

#### Eemax 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



# Series Six Commercial

Six module, commercial/industrial for emergency eye/face applications

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

<b>T24T</b>	Staged Heating Elements
<b>T6</b>	Parallel Heating Elements
<b>EF</b>	Meets ANSI Z358.1 emergency eye/face wash tepid water requirements
<b>FS</b>	Factory set ambient to 180°F
<b>S</b>	Sanitation 180°F

MODEL NUMBER	kW	AMPS PER PHASE	TURN ON (GPM)	RECOMMENDED WIRE SIZE	TEMPERATURE RISE °F						
					4.0 GPM	5.0 GPM	6.0 GPM	7.5 GPM	8.0 GPM	10.0 GPM	12.0 GPM
VOLTS 208V/3 Ø											
EX360T24T	36	100A/phase	1	1 AWG	61°	49°	41°	—	—	—	—
EX360T6	36	100A/phase	3.5	1 AWG	61°	49°	41°	32°	30°	24°	20°
EX480T24T	48	133A/phase	1	2/0 AWG	82°	65°	54°	—	—	—	—
EX480T6	48	133A/phase	3.5	2/0 AWG	82°	65°	54°	43°	41°	32°	27°
VOLTS 480V Delta											
ED039480T24T	39	47A/phase	1	6 AWG	67°	53°	44°	—	—	—	—
ED048480T24T	48	58A/phase	1	4 AWG	82°	66°	55°	—	—	—	—
ED054480T24T	54	65A/phase	1	4 AWG	92°	74°	61°	—	—	—	—
ED063480T24T	63	76A/phase	1	3 AWG	109°	86°	72°	—	—	—	—

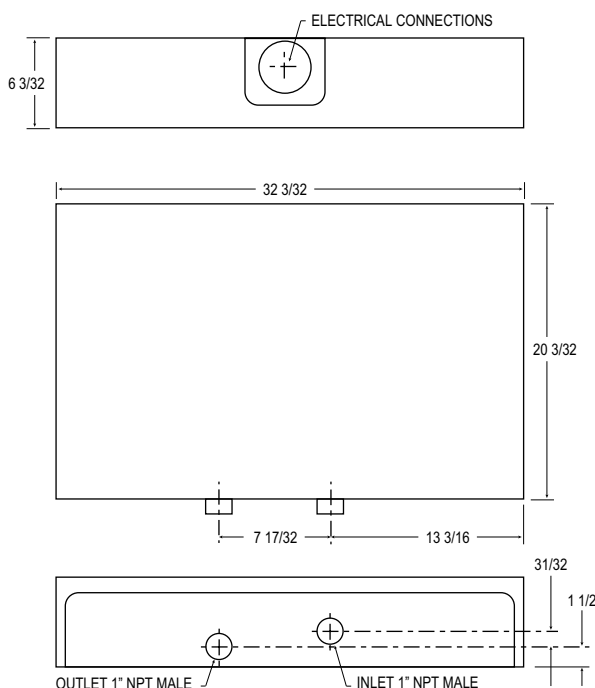
### SERIES SIX TO PHD CROSSOVER GUIDE

BASE MODEL NUMBER	KW	VOLTS	AMPS	° RISE AT 6 GPM		BASE MODEL NUMBER	KW	VOLTS	AMPS	° RISE AT 6 GPM
<b>EX360T6/T24T</b>	36	208	100	41	➡	<b>AP032208</b>	32	208	89	36
<b>EX480T6/T24T</b>	48	208	133	54	➡	<b>AP41208</b>	41	208	112	47
						<b>AP54208</b>	54	208	150	61
<b>ED039480T24T</b>	39	480	47	44	➡	<b>AP036480</b>	36	480	43	41
						<b>AP048480</b>	48	480	58	55
<b>ED048480T24T</b>	48	480	58	55	➡	<b>AP048480</b>	48	480	58	55
<b>ED054480T24T</b>	54	480	65	61	➡	<b>AP054480</b>	54	480	65	61
						<b>AP054480</b>	54	480	65	61
<b>ED063480T24T</b>	63	480	76	72	➡	<b>AP072480</b>	72	480	87	82

**For reference only.**

Product will not be available after 12/31/2014.

Refer to SpecAdvantage and SafeAdvantage product on pages 7 and 8.



# Series Twelve Commercial

Twelve Module, Commercial/Industrial for Emergency Eye/Face and Drench Showers

## Specifications

Electric Tankless Hot Water Heater

### Applications

- Emergency combination eye/face drench shower (EFD)
- Emergency drench shower only (DS)
- Where tepid water is needed

### Performance Features

- Cut energy waste. Flow switch activates heater only on demand (no standby heat loss) – 99% efficient
- Save water – “Point of use application”
- Continuous hot water – no storage capacity to run out
- Unlimited On Demand Hot Water – No delay
- Meets ANSI Z358.1 Tepid Water Requirements
- Reduces installation cost and material. No T&P relief valve needed (check local codes) or venting
- Thermostatic control. Microprocessor provides precise outlet temperatures
- Reduces calcification, liming and sedimentation
- Warranty – Five (5) years leaks and one (1) year on parts – Field serviceable replaceable cartridge element, one (1) year

### Optional Features

- Freeze protection for harsh climate, up to -30°F
- GFCI
- Safety alerting light and siren.
- N4, N4X (304SS) enclosures

### Product Specifications

<b>Dimensions</b>	32 3/32" H x 32 3/32" W x 6" D
<b>Weight</b>	70 lbs.
<b>Cover</b>	Powder Coated Steel
<b>Color</b>	Yellow
<b>Element</b>	Twelve replaceable cartridge elements plus two spares
<b>Fittings</b>	1.25" NPT fittings at BOTTOM of unit
<b>Pressure</b>	Min. 40 PSI, max. 150 PSI
<b>UL Listed</b>	E86887(m)

U.S. Patent #'s: 4,762,980 and 4,960,976

### Special Design Service

Inquiries for units for unique applications are welcome.  
Call our Technical Service department at **1-800-543-6163**.

**For reference only.**

Product will not be available  
after 12/31/2014.

Refer to SpecAdvantage and  
SafeAdvantage product  
on pages 7 and 8.



The wetted surface of this product contacted by water contains less than 0.25% lead and meets ANSI/NSF 372



### Electrical configuration and requirements

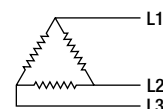
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### Eemax 600v, 480v and 208v

#### Three Phase Units

#### Delta Configuration

Requires: 3 Lives and 1 Ground (earth)



# Series Twelve Commercial

Twelve Module, Commercial/Industrial for Emergency Eye/Face and Drench Showers

## Specifications

Electric Tankless Hot Water Heater

### Suffix Definitions

- EFD** For combination Eye/Face drench shower. First Stage 3 GPM turn on (with reduced power for eye/face wash). Second Stage 15 GPM turn on (full power for drench shower)
- DS** For drench shower only. (min. turn on 12 GPM)

MODEL NUMBER	KW	AMPS PER PHASE	TURN ON (GPM)	RECOMMENDED WIRE SIZE (CU)	TEMPERATURE RISE °F							
					3.0 GPM	4.0 GPM	6.0 GPM	7.5 GPM	20.0 GPM	23.5 GPM	26.0 GPM	30.0 GPM
VOLTS 208V/3 Ø												
EX480T12 EFD	48	133A/phase	3 & 15	2/0 AWG	54°	41°	27°	21°	16°	14°	12°	—
EX480T12 DS	48	133A/phase	12	2/0 AWG	—	—	—	—	16°	14°	12°	—
EX720T12 EFD	72	200A/phase	3 & 15	200 MCM	80°	61°	40°	32°	24°	21°	18°	—
EX720T12 DS	72	200A/phase	12	200 MCM	—	—	—	—	24°	21°	18°	—
EX960T12 EFD	96	267A/phase	3 & 15	400 MCM	108°	81°	54°	43°	32°	28°	25°	—
EX960T12 DS	96	267A/phase	12	400 MCM	—	—	—	—	32°	28°	25°	—
VOLTS 480V/277V												
EX480T12 EFD-277*	48	58A/phase	3 & 15	6 AWG	54°	41°	27°	22°	16°	14°	12°	—
EX580T12 EFD-277*	58	76A/phase	3 & 15	4 AWG	66°	50°	33°	26°	20°	17°	15°	—
ED079480T12 EFD	79	96A/phase	3 & 15	1 AWG	+	67°	44°	35°	26°	23°	20°	—
ED096480T12 EFD	96	116A/phase	3 & 15	1/0 AWG	+	+	54°	43°	32°	28°	25°	—
ED108480T12 EFD	108	130A/phase	3 & 15	2/0 AWG	+	+	61°	49°	36°	32°	28°	—
ED126480T12 EFD	126	152A/phase	3 & 15	3/0 AWG	+	+	+	57°	43°	37°	33°	—
ED138480T12 EFD	138	166A/phase	3 & 15	4/0 AWG	+	+	+	62°	47°	40°	36°	32°
ED150480T12 DS	150	180A/phase	12	4/0 AWG	—	—	—	—	51°	45°	39°	34°
VOLTS 600V Delta												
ED130600T12 EFD	130	130A/phase	3 & 15	2/0 AWG	+	+	+	+	46°	40°	35°	30°
ED130600T12 DS	130	130A/phase	12	2/0 AWG	—	—	—	—	46°	40°	35°	30°
ED150600T12 DS	150	145A/phase	12	2/0 AWG	—	—	—	—	53°	46°	41°	34°

\* Wye – Neutral Leg Required

+ Temperature electrically limited to factory preset not-to-exceed temperature.

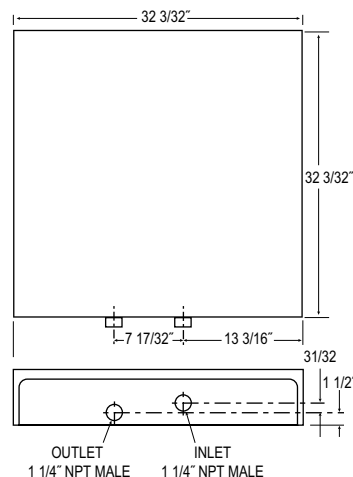
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**For reference only.**  
Product will not be available after 12/31/2014.  
Refer to SpecAdvantage and SafeAdvantage product on pages 7 and 8.

### SERIES TWELVE TO PHD CROSSOVER GUIDE

BASE MODEL NUMBER	KW	VOLTS	AMPS	° RISE AT 20 GPM		BASE MODEL NUMBER	KW	VOLTS	AMPS	° RISE AT 20 GPM
<b>EX480T12 EFD/DS</b>	48	208	133	16.3	➡	<b>AP041208 EFD</b>	41	208	112	14
						<b>AP054208 EFD</b>	54	208	150	18.4
<b>EX720T12 EFD/DS</b>	72	208	200	24	➡	<b>AP064208 EFD</b>	64	208	178	22
<b>EX960T12 EFD/DS</b>	96	208	267	32	➡	<b>Call Technical Support at 1-800-543-6163</b>				
<b>EX480T12 EFD-277</b>	48	480/277 wye	58	16	➡	<b>AP048480 EFD</b>	48	480	65	16
<b>ED079480T12 EFD</b>	79	480	96	26	➡	<b>AP072480 EFD</b>	72	480	87	25
<b>ED096480T12 EFD</b>	96	480	116	32	➡	<b>AP072480 EFD</b>	72	480	87	25
						<b>AP108480 EFD</b>	108	480	130	37
<b>ED108480T12 EFD</b>	108	480	130	37	➡	<b>AP108480 EFD</b>	108	480	130	37
<b>ED126480T12 EFD</b>	126	480	152	43	➡	<b>AP126480 EFD</b>	126	480	152	43

For assistance call technical support at 1-800-543-6163



# Accessories and Replacement Parts

## Accessories

MODEL NUMBER	DESCRIPTION
EX0061-0.5AER	1/2 GPM Aerator (Male 15/16"-27, Female 55/64"-27)
EX0061-1.0AER	1 GPM Aerator (Male 15/16"-27, Female 55/64"-27)
EX145	Element Removal Tool
EX176	3/8C X 1/2 FIP Stainless Steel Flexible Water Connector 16" Long
EX177	3/8C X 3/8 OD Stainless Steel Flexible Water Connector 16" Long

## Replacement Parts – Excluding Elements

MODEL NUMBER	DESCRIPTION
<b>CIRCUIT BOARDS – RELAY TYPE</b>	
EX0284E-309-240-KIT	240V Thermostatic Circuit Board For EX0309-240V Display Board – HomeAdvantage/ProAdvantage
EX0309-240V	Display Board w/Push Button Temperature Control – HomeAdvantage/ProAdvantage
EX0183DL-30A	208/240/277V Circuit Board Flow Control 30 Amp for units under 6.5kW
EX0183DL-40A	208/240/277V Circuit Board Flow Control 40 Amp for units over 6.5kW
EX100S-208V	208v/277v Dual Voltage Slave Board Readout
EX284AB-120-KIT	120V Thermostatic Circuit Board
EX284AB-240-KIT	240V Thermostatic Circuit Board
EX284AB-240ML-KIT	240V Thermostatic Circuit Board Multiple Lavatory
EX284AB-277-KIT	277V Thermostatic Circuit Board
EX100CV-480V	480V Delta Thermostatic Control Board – Master
EX100S-480V	480V Delta Thermostatic Control Board – Slave
EX284AB-120AM-KIT	120V Thermostatic Circuit Board For AccuMix
EX284AB-240AM-KIT	240V Thermostatic Circuit Board For AccuMix
EX284AB-277AM-KIT	277V Thermostatic Circuit Board For AccuMix
EX284AB-277ML-KIT	277V Thermostatic Circuit Board For Multiple Lavatory
<b>TRIACS</b>	
EX18-KIT	Triac -all except 12KW "square" type
<b>ECO</b>	
EX08100-02	480V ECO – EE/EFD Temperature Range
EX08100-03	480V ECO – Standard Temperature Range
EX08100-04	480V ECO – Sanitation Temperature Range
EX278A-KIT	ECO – Option A – Standard Temperature Range – Standard Units
EX278D-KIT	ECO – Option D – Sanitation (yellow dot) – Sanitize Units
EX278E-KIT	ECO – Option E – "EE" Tepid (white dot) – Emergency Eye Wash, Face Wash, Drench Shower
<b>RELAYS</b>	
EX08002-01	Relay-480V Delta 40a
EX250B	Relay 120V 30 Amp for SP/EX2412(M), SP/EX3012(M), SP/EX3512(M)
EX251B	Relay 277V 30 Amp for SP3277,SP4277,SP/EX 60, SP/EX 80
EX253B	Relay 277V 40 Amp for SP/EX 60T, SP/EX 80T, SP/EX 90(T), SP/EX 100(T), EX160, EX200
EX254B	Relay-208v 30a for EX/SP3208, EX/SP4208
EX259B	Relay-120v 40a for EX2412T, EX3012T, EX3512T
EX255B	Relay 240V 40 Amp for EX/SP 48T, SP/EX 55T, SP/EX 65T, SP/EX 75(T), SP/EX 8208(T), SP/EX 95(T), EX120TC
EX1050-1	Relay 208V-240V 50 Amp for EX012240T, EX023240TC, SS012240T,SS023240TC
EX256B	Relay-208v 75a for all 208 Volt 3 Phase
EX257B	Relay-277v 40a for all Legacy 480 Volt 3 Phase
EX258	Relay-240v 40a EXPORT ONLY

## Replacement Parts – Heating Elements

MODEL NUMBER	ELEMENT CARTRIDGE	MODEL NUMBER	ELEMENT CARTRIDGE
<b>SINGLE POINT "SP" MODELS</b>		<b>SERIES SIX MODELS</b>	
SP2412	EX610	EX360(T6,T24T) 277V	EX1280
SP3012	EX480	EX360 (T6,T24T) 208V	EX720
SP3512	EX410	EX480 (T6,T24T) 277V	EX960
SP3208	EX1440	EX480 (T6,T24T) 208V	EX540
SP4208	EX1050	EX540 (T6,T24T) 277V	EX850
SP35	EX1650	EX630 (T6,T24T) 277V	EX730
SP48	EX1200	ED039480 (T6,T24T) 480V	EX3491
SP55	EX1050	ED048480 (T6,T24T) 480V	EX2880
SP3277	EX260	ED054480 (T6,T24T) 480V	EX2560
SP4277	EX1870	ED063480 (T6,T24T) 480V	EX2194
<b>EX AND EX-T MODELS</b>		<b>SERIES TWELVE MODELS</b>	
EX35 (T)	EX1650	EX360 (T12) 208V	EX1440
EX48 (T)	EX1200	EX480 (T12) 208V	EX1080
EX55 (T)	EX1050	EX480 (T12) 277V	EX1920
EX65 (T)	EX890	EX720 (T12) 208V	EX720
EX75 (T)	EX770	EX720 (T12) 277V	EX1280
EX95 (T)	EX630	EX960 (T12) 208V	EX540
EX012240 (T)	EX500 PRT	EX960 (T12) 277V	EX960
EX8208 (T)	EX520	EX1080 (T12) 277V	EX850
EX4277 (T)	EX1870	EX1260 (T12) 277V	EX730
EX60 (T)	EX1280	ED079480T12 EFD 480V	EX3491
EX80 (T)	EX960	ED096480T12 EFD 480V	EX2880
EX90 (T)	EX850	ED108480T12 EFD 480V	EX2560
EX100 (T)	EX760	ED126480T12 EFD 480V	EX2194
<b>SERIES TWO MODELS</b>		ED138480T12 EFD 480V	EX2003
EX120 (T2, TC)	EX1000	ED0150480T12 DS 480V	EX1840
EX144 (T2, TC)	EX770	<b>HOMEADVANTAGE MODELS</b>	
EX190 (T2, TC)	EX630	SS012240T	EX500
EX023240 (T2, TC)	EX500 PRT	SS015240TC	EX770
EX1608 (T2, TC)	EX520	SS019240TC	EX630
EX160 (T2, TC)	EX960	SS023240TC	EX500 PRT
EX200 (T2, TC)	EX760	SS029240T2T	EX630
<b>SERIES THREE MODELS</b>		SS038240T2T2	EX630
EX280	EX630	<b>ACCUMIX MODELS</b>	
<b>SERIES FOUR MODELS</b>		MT004120T	EX410
EX380	EX630	MT005240T	EX1200
<b>PROADVANTAGE MODELS</b>		MT007240T	EX890
PA004120T	EX410	MT010240T	EX630
PA008208T	EX520	MT008277T	EX960
PA005240T	EX1200	MT010277T	EX760
PA007240T	EX890	MB004120T	EX410
PA010240T	EX630	MB005240T	EX1200
PA012240T	EX500	MB007240T	EX890
PA008277T	EX960	MB010240T	EX630
PA010277T	EX760	MB012240T	EX500 PRT
PA014240TC	EX770	MB008277T	EX960
PA016277TC	EX960	MB010277	EX760
PA019240TC	EX630	<b>MINI TANK MODELS</b>	
PA020277TC	EX760	EMT1	Call Eemax
PA023240TC	EX500 PRT	EMT2.5	Call Eemax
PA028240T2T	EX630	EMT4	Call Eemax
PA018208T2T	EX720	EMT6	Call Eemax
PA024208T2T	EX720		
PA018277T2T	EX1260		
PA024277T2T	EX960		
PA032277T2T	EX720		
<b>THREE PHASE MODELS</b>			
EX180 (T3,T2T) 277V	EX1280		
EX180 (T3,T2T) 208V	EX720		
EX240 (T3,T2T) 277V	EX960		
EX240 (T3,T2T) 208V	EX560		
EX320 (T3,T2T) 277V	EX720		
ED020480T2T 480V	EX3454		
ED024480T2T 480V	EX2880		
ED032480T2T 480V	EX2194		

# Accessories and Replacement Parts

Continued

## SpecAdvantage and SafeAdvantage Replacement Parts

MODEL NUMBER	FOR USE WITH
<b>TRANSFORMERS</b>	
<b>EX08303-07</b>	AP032208, AP041208, AP054208, AP064208
<b>EX08303-05</b>	AP036480, AP048480
<b>EX08303-08</b>	AP054480, AP072480, AP108480, AP126480, AP144480
<b>EX08303-06</b>	AP130600, AP150600
<b>CIRCUIT BOARDS - PHD</b>	
<b>EX08300-00</b>	Main Control Board - Used on all PhD products
<b>EX08601-00</b>	Hall Effects Flow meter board - Used on all PhD products
<b>EX78001-00</b>	Optical Sensor board assembly includes board, lens, filter, o-ring, screws
<b>FUSES</b>	
<b>EX198</b>	AP032208, AP054208, AP072480, AP108480
<b>EX08200-11</b>	AP041208, AP064208, AP126480
<b>EX08200-13</b>	AP144480, AP130600, AP150600
<b>EX08100-07</b>	AP054480
<b>FLOW METER KITS</b>	
<b>EX78000-00</b>	AP032208, AP041208, AP054208, AP64208, AP036480, AP048480, AP054480
<b>EX78000-01</b>	AP064208, AP072480, AP108480, AP126480, AP144480, AP130600, AP150600 Kits include housing, board, screws, wheel, o-ring, nuts
<b>TRIACS/RELAY</b>	
<b>EX78002-00</b>	Triac Kit includes Triac and Board - All 208V & 480V PhD products
<b>EX08200-12</b>	Relay - Used on all 600V PhD products except AP144480
<b>ELEMENTS</b>	
<b>EX77000-8.12</b>	AP032208 and AP144480
<b>EX77000-6.33</b>	AP041208
<b>EX77000-4.81</b>	AP054208
<b>EX77000-4.06</b>	AP064208
<b>EX77000-9.6</b>	AP144480
<b>EX77000-19.2</b>	AP036480, AP072480
<b>EX77000-14.4</b>	AP048480, AP150600
<b>EX77000-12.8</b>	AP054480, AP108480
<b>EX77000-10.97</b>	AP126480
<b>EX77000-16.6</b>	AP130600
<b>EMERGENCY CUT-OFF (ECO)</b>	
<b>EX278A-KIT</b>	Used on all PhD products except EE, EFD, S
<b>EX278D-KIT</b>	Used on PhD products with S & DB options
<b>EX278E-KIT</b>	Used on PhD products with EE, EFD options
<b>CONTACTORS</b>	
<b>EX08306-02</b>	AP032208, AP036480, AP054480, AP072480
<b>EX08306-00</b>	AP041208, AP048480
<b>EX08309-00</b>	AP054208, AP054480, AP064208, AP108480, AP126480, AP144480, AP130600, AP150600

## HomeAdvantage II Replacement Parts

MODEL NUMBER	FOR USE WITH
<b>HEATING ELEMENTS</b>	
<b>HA-P001</b>	Element, Heating for HA011240
<b>HA-P002</b>	Element, Heating for HA013240
<b>HA-P003</b>	Element, Heating for HA008240
<b>HA-P004</b>	Element, Heating for HA024240
<b>HA-P005</b>	Element, Heating for HA018240, HA027240, HA036240
<b>TRIACS</b>	
<b>HA-P008</b>	Triac, 1st Heating Element for HA008240/HA011240/HA013240
<b>HA-P009</b>	Triac, 2nd Heating Element for HA011240/HA013240
<b>HA-P010</b>	Triac, 1st Heating Element for HA018240
<b>HA-P011</b>	Triac, 2nd Heating Element for HA018240
<b>HA-P012</b>	Triac, 3rd Heating Element for HA024240/HA027240
<b>HA-P053</b>	Triac, 1st Heating Element for HA024240, HA027240
<b>HA-P054</b>	Triac, 1st Heating Element for HA036240
<b>HA-P055</b>	Triac, 2nd Heating Element for HA024240, HA027240
<b>HA-P056</b>	Triac, 2nd Heating Element for HA036240
<b>HA-P057</b>	Triac, 3rd Heating Element for HA036240
<b>HA-P051</b>	Triac, 4th Heating Element for HA036240
<b>FLOW SENSORS</b>	
<b>HA-P021</b>	Flow Sensor Assembly for HA008240/HA011240/HA013240
<b>HA-P022</b>	Flow Sensor Assembly for HA018240/HA024240/HA027240/HA036240
<b>CONTROL BOARDS</b>	
<b>HA-P024-008</b>	Control Board for HA008240 w/Transformer
<b>HA-P024-011</b>	Control Board for HA011240 w/Transformer
<b>HA-P024-013</b>	Control Board for HA013240 w/Transformer
<b>HA-P025</b>	Control Board for HA018240/HA027240/HA036240
<b>HA-P025-024</b>	Control Board for HA024240
<b>MISC ITEMS</b>	
<b>HA-P026</b>	Knob for HA008240/HA011240/HA013240
<b>HA-P027</b>	Knob for HA018240/HA024240/HA027240/HA036240
<b>HA-P046</b>	Thermistor for HA018240/HA024240/HA027240 (set of 2)
<b>HA-P047</b>	Thermistor for HA036240 (set of 2)



# Terms and Conditions

## Terms of Sale

FOB Shipping Point – Title passes to you once the product is delivered to the carrier. It is your responsibility to inspect each shipment and file a claim with the carrier for any damage or shortages.

## Freight Terms

Available Options:

1. Collect – Eemax ships on your freight account #.
2. Prepaid – Eemax arranges shipping and charges you for freight.

3. Free Freight – Eemax pays freight to a single location in the continental US if your order is \$2900.00 or more. (excludes SafeAdvantage and SpecAdvantage products)

## Returns

Eemax will accept the return of unopened product with a 25% restock charge with prior approval. Custom products requiring sign-offs are excluded. To initiate a return, please fill out an RGA request form and email to Eemax for approval. [returns@eemaxinc.com](mailto:returns@eemaxinc.com)

## Payment Terms

Net 30 with approved credit.

## Order Cancellation

All canceled product will be subject to a 25% restock fee.

## How to Contact Eemax

Email: [info@eemaxinc.com](mailto:info@eemaxinc.com) for Tech Support, Order Tracking, Literature and more.

Email: [returns@eemaxinc.com](mailto:returns@eemaxinc.com) for Returns

Phone: 800-543-6163

Web: [www.eemax.com](http://www.eemax.com)

## LIMITED WARRANTY INFORMATION – EEMAX ELECTRIC TANKLESS WATER HEATERS

Subject to the terms and conditions set forth in this limited warranty, each eemax tankless water heater is warranted to the original owner ("Owner") against (i) mechanical or electrical failure of any component solely due to defects in materials or manufacturer's workmanship for a period of one year from the date of original purchase and (ii) leaks solely due to defects in materials or manufacturer's workmanship for the later of (x) five years from the date of original purchase or (y) the date of owner's occupancy of a new dwelling in which the eemax tankless water heater is installed. However, if owner cannot document the original date of purchase with the original sales receipt, then the limited warranty period begins on the date the eemax tankless water heater was manufactured. As owner's sole and exclusive remedy, manufacturer shall, at manufacturer's sole election, either repair or replace the eemax tankless water heater or the defective portion of such product. Manufacturer is not liable for any costs incurred by owner, including, without limitation, the cost of any labor. Manufacturer's maximum liability is limited to the value of the water heater. This limited warranty shall be governed by the laws of the United States.

This limited warranty shall be the exclusive warranty made by manufacturer and is made in lieu of all other warranties, statutory, expressed or implied (whether written or oral), including, but not limited to, warranties of merchantability and fitness for a particular purpose. Manufacturer expressly disclaims the implied warranties of merchantability and fitness for a particular purpose. Owner's sole and exclusive remedy is product repair or replaced, as provided in this limited warranty, and all other claims for damages are excluded.

The remedies set forth in this limited warranty are the only remedies available to owner or any person for breach of any covenant, duty or obligation on the part of manufacturer. Manufacturer is not liable to owner or any third party for any loss, personal injury or property damage, directly or indirectly, arising from the eemax tankless water heater. Under no circumstances is manufacturer liable to owner or any third party for incidental, consequential, special, contingent, or punitive damages of any description, whether any such claim be based upon warranty, contract, negligence, strict liability, or other tort, or otherwise.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to owner. In such cases, the warranty shall be limited to one year from the original date of purchase or date of manufacture, as provided in this limited warranty, or the shortest period allowed by law. This warranty gives owner specific legal rights and owner may also have other rights which may vary from state to state.

### EXCLUSIONS OF COVERAGE FROM THIS LIMITED WARRANTY

1. Manufacturer is not liable for any water damage or other damages arising, directly or indirectly, from any defect in the Eemax Tankless Water Heater component part(s) or from its use.
2. Manufacturer is not liable under this limited warranty or otherwise if:
  - (a) The water heater or any of its component parts have been subject to misuse, alteration, neglect or accident; or
  - (b) The water heater has not been installed in accordance with the applicable local plumbing and/or building code(s) and/or regulation(s); or
  - (c) The water heater has not been installed or maintained in accordance with Manufacturer's printed instructions, or installed with improper orientation, improper fastening, improper use of pipe dope/plumbers putty or with the use of any non Manufacturer approved sealant; or
  - (d) The water heater has not been continuously supplied with potable water or the water's inlet temperature is above Manufacturer's recommended maximum temperature; or
  - (e) The water heater experiences any water pressure or flow interruptions, normal inlet water pressure is outside of the published specification for the heater; is exposed to any condition that causes the heater to turn on before the air is purged from the heater, also known as a dry fire; or
  - (f) The water heater has been exposed to conditions resulting from floods, earthquakes, winds, fire, freezing, lightning, or circumstances beyond the Manufacturer's control; or
  - (g) The water heater has been removed from its original installation location; or
  - (h) The water heater has been used for other than the intended purpose.
3. Owner, and not Manufacturer or its agent/representative, is liable for and shall pay for all field charges for labor or other expenses incurred in the removal and/or repair of the water heater or any expense incurred by Owner in order to repair the water heater.

Subject to the terms and conditions set forth in this limited warranty, if the Eemax Tankless Water Heater fails or leaks because of defects in materials or Manufacturer's workmanship during the applicable warranty period set forth above, Owner should contact Manufacturer for a Returned Merchandise Authorization (RMA). No returns will be accepted by Manufacturer without an RMA number and Manufacturer assumes no responsibility for a water heater returned without an RMA number. Water heaters should be wrapped and packaged securely to avoid shipping damage. All shipments of parts from the Manufacturer to the Owner to replace defective components shall be made via normal ground transportation. If expedited shipment is required, it will be provided at Owner's additional cost.

## LIMITED WARRANTY INFORMATION – EEMAX ELECTRIC MINI TANK WATER HEATERS

Subject to the terms and conditions set forth in this limited warranty, each Eemax Mini Tank Water Heater is warranted to the original owner ("Owner") against (i) mechanical or electrical failure of any component solely due to defects in materials or Manufacturer's workmanship for a period of two years from the date of original purchase and (ii) leaks solely due to defects in materials or Manufacturer's workmanship for the later of (x) five years from the date of original purchase or (y) the date of Owner's occupancy of a new dwelling in which the Eemax Mini Tank Water Heater is installed. However, if Owner cannot document the original date of purchase with the original sales receipt, then the limited warranty period begins on the date the Eemax Mini Tank Water Heater was manufactured. As Owner's sole and exclusive remedy, Manufacturer shall, at Manufacturer's sole election, either repair or replace the Eemax Mini Tank Water Heater or the defective portion of such product. Manufacturer is not liable for any costs incurred by Owner, including, without limitation, the cost of any labor. Manufacturer's maximum liability is limited to the value of the water heater. This limited warranty shall be governed by the laws of the United States.

This limited warranty shall be the exclusive warranty made by manufacturer and is made in lieu of all other warranties, statutory, expressed or implied (whether written or oral), including, but not limited to, warranties of merchantability and fitness for a particular purpose. Manufacturer expressly disclaims the implied warranties of merchantability and fitness for a particular purpose. Owner's sole and exclusive remedy is product repair or replaced, as provided in this limited warranty, and all other claims for damages are excluded.

The remedies set forth in this limited warranty are the only remedies available to owner or any person for breach of any covenant, duty or obligation on the part of manufacturer. Manufacturer is not liable to owner or any third party for any loss, personal injury or property damage, directly or indirectly, arising from the eemax mini tank water heater. Under no circumstances is manufacturer liable to owner or any third party for incidental, consequential, special, contingent, or punitive damages of any description, whether any such claim be based upon warranty, contract, negligence, strict liability, or other tort, or otherwise.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to owner. In such cases, the warranty shall be limited to one year from the original date of purchase or date of manufacture, as provided in this limited warranty, or the shortest period allowed by law. This warranty gives owner specific legal rights and owner may also have other rights which may vary from state to state.

### EXCLUSIONS OF COVERAGE FROM THIS LIMITED WARRANTY

1. Manufacturer is not liable for any water damage or other damages arising, directly or indirectly, from any defect in the Eemax Mini Tank Water Heater component part(s) or from its use.
2. Manufacturer is not liable under this limited warranty or otherwise if:
  - (a) The water heater or any of its component parts have been subject to misuse, alteration, neglect or accident; or
  - (b) The water heater has not been installed in accordance with the applicable local plumbing and/or building code(s) and/or regulation(s); or
  - (c) The water heater has not been installed or maintained in accordance with Manufacturer's printed instructions, or installed with improper orientation, improper fastening, improper use of pipe dope/plumbers putty or with the use of any non Manufacturer approved sealant; or
  - (d) The water heater has not been continuously supplied with potable water or the water's inlet temperature is above Manufacturer's recommended maximum temperature; or
  - (e) The water heater experiences any water pressure or flow interruptions, normal inlet water pressure is outside of the published specification for the heater; is exposed to any condition that causes the heater to turn on before the air is purged from the heater also known as dry fire; or
  - (f) The water heater has been exposed to conditions resulting from floods, earthquakes, winds, fire, freezing, lightning, or circumstances beyond the Manufacturer's control; or
  - (g) The water heater has been removed from its original installation location; or
  - (h) The water heater has been used for other than the intended purpose.
3. Owner, and not Manufacturer or its agent/representative, is liable for and shall pay for all field charges for labor or other expenses incurred in the removal and/or repair of the water heater or any expense incurred by Owner in order to repair the water heater.

Subject to the terms and conditions set forth in this limited warranty, if the Eemax Mini Tank Water Heater fails or leaks because of defects in materials or Manufacturer's workmanship during the applicable warranty period set forth above, Owner should contact Manufacturer for a Returned Merchandise Authorization (RMA). No returns will be accepted by Manufacturer without an RMA number and Manufacturer assumes no responsibility for a water heater returned without an RMA number. Water heaters should be wrapped and packaged securely to avoid shipping damage. All shipments of parts from the Manufacturer to the Owner to replace defective components shall be made via normal ground transportation. If expedited shipment is required, it will be provided at Owner's additional cost.

# Notes

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# Notes

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To learn more about the full line  
of Eemax Water Heaters scan the  
QR code or visit [eemax.com](http://eemax.com)



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(800) 543-6163  
[info@eemaxinc.com](mailto:info@eemaxinc.com)  
[eemax.com](http://eemax.com)



The wetted surface of this product contacted by water  
contains less than 0.25% lead and meets ANSI/NSF 372

NOTE: Certifications may vary based on product lines

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